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ECONOMIC ASSOCIATES

Rockhampton Regional Council

Economic Development and Employment Study

Final Report

December 2010



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Executive Summary

Introduction

Rockhampton Regional Council commissioned GHD Pty Ltd in association with Economic Associates Pty Ltd in September 2010 to prepare an Economic Development and Employment Study. The purpose of the Economic Development & Employment Study is to:

- ▶ Analyse key characteristics of the Rockhampton Region's economy and outline the likely future economic growth directions;
- ▶ Assess the effectiveness of current planning scheme provisions in facilitating the economic growth of the region;
- ▶ Analyse employment growth and project the region's employment to 2031; and
- ▶ Estimate future land requirements across the region for key land use categories.

This executive summary provides an overview of key assumptions, analysis and findings. Detailed analysis can be found in the body of the report.

Comparative Economic Overview

Rockhampton Regional Council and its planning areas are benchmarked against a number of other regions, namely:

- ▶ Gladstone Regional Council;
- ▶ Mackay Regional Council;
- ▶ Townsville City Council; and
- ▶ Central Highlands Regional Council.

Key findings from the comparison of socio-economic profiles of the above regional council areas included:

- ▶ Historical population growth within the Rockhampton region was less than the state average and competitor regions;
- ▶ The average age within the Rockhampton region was higher than the state average and that of the competitor regions;
- ▶ Average household size was broadly consistent with the state average and all competitor regions, except Central Highlands;
- ▶ Household income within the Rockhampton region was below the state average and competitor regions;
- ▶ The Rockhampton region has traditionally experienced lower levels of labour force participation and higher levels of unemployment than the state average and competitor regions;
- ▶ The incidence of post school qualification within the Rockhampton region was below the state average, but generally above that in competitor regions; and
- ▶ Projected population growth for the Rockhampton region is below projected growth rates for Queensland and competitor regions.



Rockhampton Regional Council shares the same dominant industries in terms of number of business as the other analysed regional councils, these being:

- Agriculture, forestry and fishing;
- Construction;
- Retail trade;
- Transport and storage; and
- Property and business services.

Rockhampton Regional Council had a significantly lower proportion of agriculture, forestry and fishing businesses (16.4%) than Central Highlands Regional Council (39.6%). A lower proportion of construction and agriculture, forestry and fishing businesses was recorded in Rockhampton Regional Council compared to Townsville City Council.

Sole traders were less prevalent in Rockhampton Regional Council (54.6%) than in Townsville City Council (60.9%) and Central Highlands Regional Council (58.8%). Marginally more businesses employing one to 20 employees were recorded in Rockhampton Regional Council (41.2%) than the other analysed regional councils.

Regional Supply Chain

From each of the key industry sectors identified in Rockhampton Regional Council, the three most significant supply chain and customer sectors were identified based on the detailed supply chain and customer market analysis of the key regionally competitive industry sectors (refer to Table 4.3 in section 4) contained in **Appendix B**. The analysis then identified the most common supply chain and customer sectors for all key industry sectors within Rockhampton Regional Council.

Overall, the most significant key sectors supplying enterprises within Rockhampton Regional Council are:

- Legal, accounting, marketing and business management services;
- Other property services;
- Wholesale trade;
- Medicinal and pharmaceutical products, pesticides manufacturing;
- Services to agriculture, hunting and trapping;
- Construction trade services;
- Other food products manufacturing;
- Communication services; and
- Other business services.

The most significant sectors being supplied by enterprises within Rockhampton Regional Council are:

- Retail trade;
- Accommodation, cafes and restaurants;
- Wholesale trade;
- Meat and meat products manufacturing;



- ▶ Electricity supply;
- ▶ Other business services;
- ▶ Road transport;
- ▶ Scientific research, technical and computer services;
- ▶ Legal, accounting, marketing and business management services; and
- ▶ Education.

Rockhampton Region Planning Sub Areas

A total of 21 sub areas were defined within Rockhampton Regional Council based on existing and planned activity within Rockhampton Regional Council and its component planning areas. The sub areas were defined based on Census collection district boundaries, the smallest geographic area defined in the Australian Standard Geographical Classification. The definition of these sub areas were agreed to by Rockhampton Regional Council.

The sub areas within each planning area are as follows:

- ▶ Fitzroy planning area:
 - Gracemere;
 - Stanwell Industrial Corridor; and
 - Fitzroy Rural;
- ▶ Livingstone planning area:
 - Emu Park and Surrounds;
 - Kinka Beach and Surrounds;
 - Livingstone Rural Balance;
 - The Caves/Rockyview; and
 - Yeppoon and Surrounds;
- ▶ Mount Morgan planning area:
 - Mount Morgan Township; and
 - Mount Morgan Rural;
- ▶ Rockhampton planning area:
 - Airport;
 - CBD;
 - North Rockhampton Balance;
 - North Rockhampton Commercial Corridor;
 - North Rockhampton Industrial;
 - North Rockhampton Residential;
 - Parkhurst- Kawana Industrial Corridor;
 - South Rockhampton Industrial;
 - South Rockhampton Balance;
 - South Rockhampton Commercial Corridor; and

- South Rockhampton Residential.

Figure E-1 outlines the geographic boundaries of the sub areas identified within Rockhampton Regional Council. **Figure E-2** provides a detailed map of the geographic boundaries of the sub areas within Rockhampton planning area.

Figure E-1 Rockhampton Regional Council Sub Areas

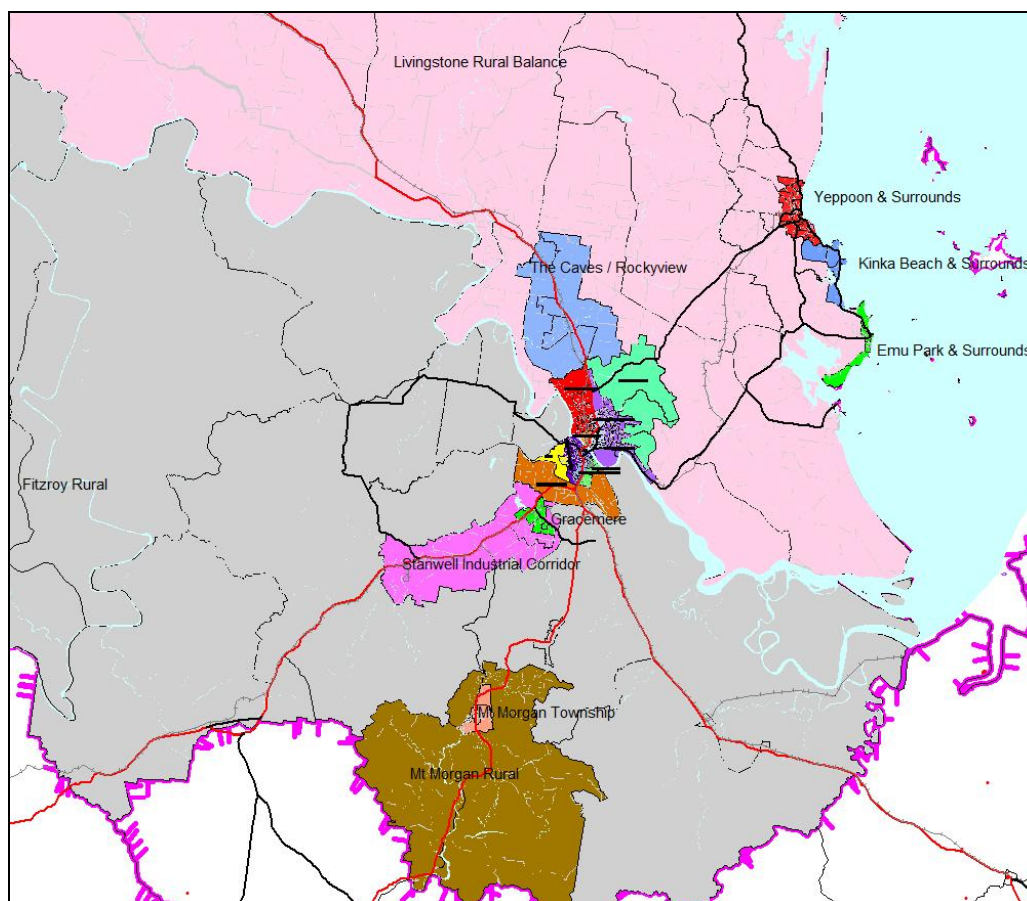
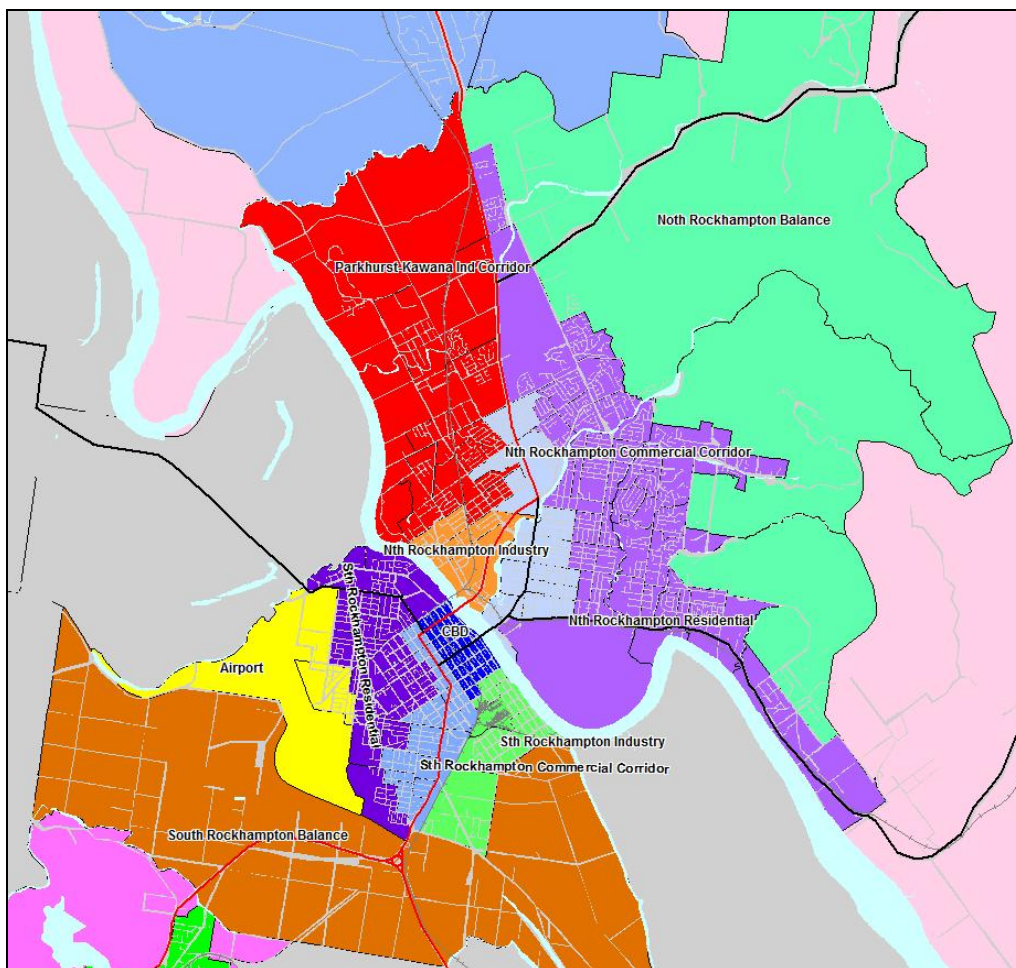


Figure E-2 Rockhampton Planning Area Sub Areas



Employment and Land Use Projections

For each sub area, the net land required to accommodate the following uses has also been identified:

- ▮ Industrial;
- ▮ Commercial office;
- ▮ Retail;
- ▮ Education;
- ▮ Health;
- ▮ Public order & safety; and
- ▮ Other (hospitality, sport & recreation & similar).

Employment estimates at the two digit ANZSIC level are provided in **Appendix D** for each sub area.

Employment and net land demand projections in this report are based on a number of factors, including:

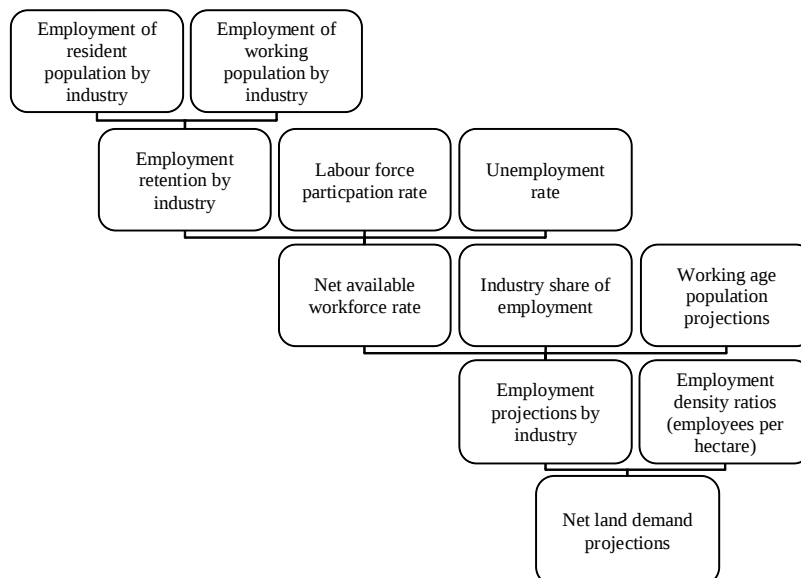
- ▮ The net available workforce rate, which is derived using:

- Employment retention (or jobs balance) rates by industry sector (resident population employment by industry divided by working population by industry);
- Labour force participation and unemployment rates;
- Industry share of employment for relevant sectors; and
- Working age (persons aged 15 to 64 years) population projections.

Net land demand (or allotment demand) is derived by applying employment density ratios (employees per hectare) for each industry sector to the employment projections.

Figure E-3 below is a flowchart of the process of calculating employment and net land demand projections. Details of assumptions are provided in section 6 of this report.

Figure E-3 Methodology for Preparing Employment and Net Land Demand Projections



Detailed employment projections and supported assumption are provided in section 6 and Appendices C and D of this report. For statistical reasons, projections are reported based on planning areas boundaries.

Fitzroy Planning Area

By 2031, employment within the Fitzroy planning area is projected to be:

- 2,044 persons in Gracemere;
- 1,736 persons in Stanwell Industrial Corridor; and
- 729 persons in Fitzroy Rural.



Within Gracemere, employment is projected to be highest in the other (779 persons by 2031), commercial office (306 persons by 2031) and industrial (300 persons by 2031) sectors.

Within the Stanwell Industrial Corridor, the majority of employment is anticipated to be in the industrial sector increasing from 469 persons in 2010 to 1,453 persons in 2031. Within Fitzroy Rural, employment is projected to be highest in the other sector increasing from 293 persons in 2010 to 525 persons in 2031.

Table E-1 Projected Employment by Sector, Sub Areas Identified within Fitzroy Planning Area, 2010 - 2031

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Gracemere								
2010	245	192	86	66	140	482	5	1,217
2011	247	200	90	72	144	498	5	1,256
2016	252	219	101	88	157	544	6	1,367
2021	266	246	141	113	181	615	10	1,571
2026	281	275	186	140	207	694	14	1,798
2031	300	306	236	169	235	779	19	2,044
Stanwell Industrial Corridor								
2010	469	0	9	61	0	158	0	697
2011	496	0	9	62	0	160	0	727
2016	600	1	10	63	1	164	0	839
2021	839	3	12	64	2	171	0	1,091
2026	1,123	5	14	66	4	178	1	1,390
2031	1,453	6	17	67	5	186	1	1,736
Fitzroy Rural								
2010	29	29	14	46	0	293	5	416
2011	31	29	15	47	0	310	5	435
2016	36	30	15	48	1	354	5	489
2021	50	32	17	49	2	407	5	561
2026	65	33	20	50	4	464	5	642
2031	84	35	23	52	5	525	5	729

Source: Economic Associates estimates

Livingstone Planning Area

By 2031, employment within the Livingstone planning area is projected to be:

- ▶ 877 persons in Emu Park & Surrounds;
- ▶ 312 persons in Kinka Beach & Surrounds;
- ▶ 2,389 persons in Livingstone Rural Balance;
- ▶ 564 persons in The Caves / Rockyview; and
- ▶ 7,263 persons in Yeppoon & Surrounds.

Within Emu Park & Surrounds, employment is projected to be highest in the other (401 persons by 2031) and health (182 persons by 2031) sectors. Within Kinka Beach & Surrounds and Livingstone Rural Balance, the majority of employment is anticipated to be within other (148 and 1,000 persons by 2031 respectively) and industrial (144 and 968 persons by 2031 respectively). Employment within The Caves / Rockyview sub area is projected to be highest in public order and safety (278 persons by 2031) and other (196 persons by 2031).

Within the Livingstone planning area, Yeppoon & Surrounds is the most significant sub area in terms of employment. By 2031, employment is projected to be highest in the commercial office (1,665 persons), other (1,536 persons) and industrial (1,326 persons) sectors.

Table E-2 Projected Employment by Sector, Sub Areas Identified within Livingstone Planning Area, 2010 - 2031

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Emu Park & Surrounds								
2010	0	67	74	46	109	301	6	602
2011	0	68	78	47	112	308	6	619
2016	0	73	87	51	121	328	6	666
2021	0	81	97	56	140	351	7	732
2026	0	89	109	62	160	376	8	804
2031	0	98	120	67	182	401	9	877
Kinka Beach & Surrounds								
2010	111	0	12	0	0	111	0	234
2011	113	0	13	0	0	114	0	239
2016	120	0	14	0	0	121	0	256
2021	128	0	16	0	0	129	0	273
2026	136	0	18	0	0	139	0	293
2031	144	0	20	0	0	148	0	312
Livingstone Rural Balance								
2010	630	0	27	84	155	699	1	1,597



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
2011	654	0	28	87	160	724	1	1,654
2016	729	0	29	94	173	792	1	1,818
2021	803	0	31	103	199	858	1	1,996
2026	885	0	33	114	229	931	2	2,193
2031	968	0	35	125	259	1,000	2	2,389
The Caves / Rockyview								
2010	41	0	5	21	0	147	184	399
2011	42	0	6	22	0	150	190	410
2016	44	0	7	23	0	160	205	439
2021	46	0	7	26	0	171	228	478
2026	48	0	8	29	0	183	253	521
2031	50	0	9	31	0	196	278	564
Yeppoon & Surrounds								
2010	862	1,073	753	708	360	1,111	17	4,884
2011	895	1,107	775	730	371	1,144	17	5,040
2016	998	1,198	836	790	402	1,235	19	5,478
2021	1,100	1,342	906	871	463	1,330	21	6,033
2026	1,213	1,501	983	960	531	1,435	23	6,645
2031	1,326	1,665	1,059	1,049	602	1,536	25	7,263

Source: Economic Associates estimates

Mount Morgan Planning Area

Within the Mount Morgan planning area, employment within the sub areas in 2031 is projected to be:

- ▶ 534 persons in Mount Morgan Township; and
- ▶ 44 persons in Mount Morgan Rural.

Within Mount Morgan Township, employment is projected to be highest in the health (141 persons by 2031) and education (102 persons by 2031) sectors. In Mount Morgan Rural, the majority of employment is anticipated to be split between industrial (20 persons by 2031) and other (14 persons by 2031).

Table E-3 Projected Employment by Sector, Sub Areas Identified within Mount Morgan Planning Area, 2010 - 2031

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Mount Morgan Township								
2010	27	60	54	80	111	84	0	417
2011	29	61	56	82	114	86	0	428
2016	33	65	59	88	121	91	0	457
2021	37	69	62	92	127	94	0	482
2026	41	72	66	97	134	97	0	508
2031	46	76	69	102	141	101	0	534
Mount Morgan Rural								
2010	18	0	1	0	0	6	0	25
2011	18	0	1	0	0	7	0	27
2016	18	1	2	1	1	9	0	32
2021	19	1	2	1	2	11	0	36
2026	19	1	2	2	3	12	0	40
2031	20	2	3	2	3	14	0	44

Source: Economic Associates estimates

Rockhampton Planning Area

By 2031, employment in the sub areas of Rockhampton planning area is projected to be:

- 615 persons in the Airport;
- 8,516 persons in the CBD;
- 106 persons in Rockhampton Balance;
- 4,648 persons in the North Rockhampton Commercial Corridor;
- 1,906 persons in North Rockhampton Industrial;
- 4,584 persons in North Rockhampton Residential;
- 6,564 persons in the Parkhurst-Kawana Industrial Corridor;
- 2,041 persons in South Rockhampton Industrial;
- 201 persons in South Rockhampton Balance;
- 3,844 persons in the South Rockhampton Commercial Corridor; and
- 5,148 persons in South Rockhampton Residential.



The majority of employment in the Airport sub area is split between public order and safety (322 persons by 2031) and industrial (197 persons by 2031). In the CBD, employment is anticipated to be highest in the commercial office (4,032 persons by 2031), other (1,875 persons by 2031) and retail (1,284 persons by 2031) sectors.

The majority of employment in the North Rockhampton Balance sub area is projected to be in other (103 persons by 2031). Employment in the North Rockhampton Commercial Corridor is anticipated to be highest in the retail (1,961 persons by 2031), commercial office (644 persons by 2031) and other (641 persons by 2031) sectors.

The industrial sector is anticipated to account for a significant proportion of employment (over 45%) in the North Rockhampton Industrial (889 persons by 2031), Parkhurst-Kawana Industrial Corridor (4,662 persons by 2031), South Rockhampton Industrial (1,492 persons by 2031) and South Rockhampton Balance (169 persons by 2031) sub areas.

In the North Rockhampton Residential sub area employment is projected to be highest in the education (1,525 persons by 2031) and other (1,091 persons by 2031) sectors. In the South Rockhampton Commercial Corridor, employment is anticipated to be highest in the other (958 persons by 2031) and health (805 persons by 2031) sectors. In the South Rockhampton Residential sub area employment is anticipated to be highest in the health (2,542 persons by 2031) and education (1,160 persons by 2031) sectors.

Table E-4 Projected Employment by Sector, Sub Areas Identified within Rockhampton Planning Area, 2010 - 2031

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Airport								
2010	183	26	16	44	0	0	285	554
2011	185	26	16	44	0	0	291	562
2016	189	27	16	47	0	0	304	584
2021	192	28	16	48	0	0	310	593
2026	194	29	16	49	0	0	316	603
2031	197	29	16	50	0	0	322	615
CBD								
2010	839	3,492	1,111	87	6	1,645	324	7,504
2011	840	3,567	1,135	89	6	1,678	330	7,645
2016	845	3,751	1,193	93	6	1,756	345	7,990
2021	847	3,839	1,221	95	7	1,793	352	8,155
2026	850	3,929	1,250	97	7	1,831	358	8,323
2031	852	4,032	1,284	100	7	1,875	366	8,516



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
North Rockhampton Balance								
2010	0	0	3	0	0	90	0	94
2011	0	0	3	0	0	92	0	95
2016	0	0	3	0	0	96	0	100
2021	0	0	3	0	0	98	0	102
2026	0	0	3	0	0	100	0	104
2031	0	0	3	0	0	103	0	106
North Rockhampton Commercial Corridor								
2010	423	572	1,716	419	388	563	23	4,103
2011	427	582	1,750	427	395	574	24	4,178
2016	439	607	1,832	447	413	601	25	4,363
2021	444	618	1,872	457	421	614	25	4,452
2026	450	630	1,914	468	429	627	26	4,543
2031	457	644	1,961	480	439	641	26	4,648
North Rockhampton Industrial								
2010	821	215	138	133	0	435	0	1,741
2011	830	216	139	135	0	444	0	1,764
2016	853	220	141	141	0	465	0	1,820
2021	864	222	142	145	0	475	0	1,847
2026	876	224	142	148	0	485	0	1,875
2031	889	226	144	152	0	496	0	1,906
North Rockhampton Residential								
2010	637	111	283	1,330	739	958	39	4,098
2011	639	112	287	1,356	754	977	40	4,165
2016	644	114	299	1,419	789	1,022	42	4,329
2021	646	116	305	1,452	804	1,044	43	4,409
2026	648	117	311	1,486	819	1,066	44	4,491
2031	651	118	317	1,525	837	1,091	45	4,584
Parkhurst-Kawana Industrial Corridor								
2010	3,670	282	117	251	539	451	67	5,377



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
2011	3,801	284	118	256	549	460	68	5,535
2016	4,140	287	120	268	575	481	71	5,942
2021	4,304	289	121	274	586	491	72	6,137
2026	4,471	291	122	281	597	502	74	6,337
2031	4,662	293	123	288	610	514	75	6,564
South Rockhampton Industrial								
2010	1,321	117	89	45	0	241	0	1,814
2011	1,344	119	89	46	0	246	0	1,844
2016	1,402	123	91	48	0	258	0	1,922
2021	1,431	124	92	49	0	263	0	1,959
2026	1,460	126	93	50	0	269	0	1,998
2031	1,492	128	94	52	0	275	0	2,041
South Rockhampton Balance								
2010	155	0	0	0	0	28	0	183
2011	157	0	0	0	0	29	0	185
2016	161	0	0	0	0	30	0	191
2021	164	0	0	0	0	31	0	194
2026	166	0	0	0	0	31	0	197
2031	169	0	0	0	0	32	0	201
South Rockhampton Commercial Corridor								
2010	640	181	520	490	711	841	0	3,383
2011	644	189	532	499	725	857	0	3,447
2016	656	208	561	523	759	898	0	3,604
2021	662	218	575	535	774	917	0	3,679
2026	667	227	590	547	788	936	0	3,756
2031	674	238	606	561	805	958	0	3,844
South Rockhampton Residential								
2010	81	188	81	1,012	2,245	927	0	4,534
2011	83	189	84	1,031	2,289	945	0	4,621
2016	87	191	90	1,079	2,395	989	0	4,833



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
2021	90	193	94	1,104	2,441	1,010	0	4,932
2026	92	194	97	1,130	2,488	1,032	0	5,033
2031	95	195	101	1,160	2,542	1,056	0	5,148

Source: Economic Associates estimates

Projected Net Land Demand

Employment estimates have been converted into net land demand estimates, using the following employment densities:

- Industrial – 25 employees per hectare;
- Commercial office – 250 employees per hectare;
- Retail – 170 employees per hectare;
- Education – 100 employees per hectare;
- Health – 100 employees per hectare;
- Other – 100 employees per hectare; and
- Public order & safety – 100 employees per hectare.

These employment densities have been derived through consultation with key stakeholders in Rockhampton Regional Council and from previous consultancies in Central Queensland.

Fitzroy Planning Area

By 2031, within Fitzroy Planning Area there is projected to be net incremental land demand of 53.1 hectares, comprising:

- 8.6 hectares in Gracemere;
- 39.8 hectares in Stanwell Industrial Corridor; and
- 4.7 hectares in Fitzroy Rural.

Industrial is anticipated to be a key driver of net incremental land demand within all sub areas, accounting for 82.3% of net incremental demand in 2031.

Table E-5 below summarises net land demand within each of the sub areas of Fitzroy Planning Area between 2010 and 2031.

Table E-5 Projected Net Land Demand (ha), Sub Areas of Fitzroy Planning Area, 2010-31

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Gracemere								
2010	9.8	0.8	0.5	0.7	1.4	4.8	0.0	18.0



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
2011	9.9	0.8	0.5	0.7	1.4	5.0	0.1	18.4
2016	10.1	0.9	0.6	0.9	1.6	5.4	0.1	19.5
2021	10.6	1.0	0.8	1.1	1.8	6.2	0.1	21.6
2026	11.3	1.1	1.1	1.4	2.1	6.9	0.1	24.0
2031	12.0	1.2	1.4	1.7	2.4	7.8	0.2	26.6
Change, 2010-31	2.2	0.5	0.9	1.0	1.0	3.0	0.1	8.6
Stanwell Industrial Corridor								
2010	18.8	0.0	0.1	0.6	0.0	1.6	0.0	21.0
2011	19.8	0.0	0.1	0.6	0.0	1.6	0.0	22.1
2016	24.0	0.0	0.1	0.6	0.0	1.6	0.0	26.3
2021	33.5	0.0	0.1	0.6	0.0	1.7	0.0	36.0
2026	44.9	0.0	0.1	0.7	0.0	1.8	0.0	47.5
2031	58.1	0.0	0.1	0.7	0.1	1.9	0.0	60.8
Change, 2010-31	39.4	0.0	0.0	0.1	0.1	0.3	0.0	39.8
Fitzroy Rural								
2010	1.2	0.1	0.1	0.5	0.0	2.9	0.0	4.8
2011	1.2	0.1	0.1	0.5	0.0	3.1	0.0	5.0
2016	1.5	0.1	0.1	0.5	0.0	3.5	0.0	5.7
2021	2.0	0.1	0.1	0.5	0.0	4.1	0.0	6.8
2026	2.6	0.1	0.1	0.5	0.0	4.6	0.1	8.1
2031	3.3	0.1	0.1	0.5	0.1	5.2	0.1	9.5
Change, 2010-31	2.2	0.0	0.0	0.1	0.1	2.3	0.0	4.7

Source: Economic Associates estimates

Livingstone Planning Area

By 2031, within Livingstone Planning Area there is projected to be net incremental land demand of 56.9 hectares, comprising:

- 2.4 hectares in Emu Park & Surrounds;
- 1.8 hectares in Kinka Beach & Surrounds;
- 18.0 hectares in Livingstone Rural Balance;



- ▶ 1.9 hectares in The Caves / Rockyview; and
- ▶ 32.9 hectares in Yeppoon & Surrounds.

Industrial is anticipated to be a key driver of net incremental land demand, accounting for 59.3% of net incremental demand in Livingstone Planning Area in 2031.

Table E-6 below summarises net land demand within each of the sub areas of Livingstone Planning Area between 2010 and 2031.

Table E-6 Projected Net Land Demand (ha), Sub Areas of Livingstone Planning Area, 2010-31

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Emu Park & Surrounds								
2010	0.0	0.3	0.4	0.5	1.1	3.0	0.1	5.3
2011	0.0	0.3	0.5	0.5	1.1	3.1	0.1	5.5
2016	0.0	0.3	0.5	0.5	1.2	3.3	0.1	5.9
2021	0.0	0.3	0.6	0.6	1.4	3.5	0.1	6.4
2026	0.0	0.4	0.6	0.6	1.6	3.8	0.1	7.1
2031	0.0	0.4	0.7	0.7	1.8	4.0	0.1	7.7
Change, 2010-31	0.0	0.1	0.3	0.2	0.7	1.0	0.0	2.4
Kinka Beach & Surrounds								
2010	4.4	0.0	0.1	0.0	0.0	1.1	0.0	5.6
2011	4.5	0.0	0.1	0.0	0.0	1.1	0.0	5.7
2016	4.8	0.0	0.1	0.0	0.0	1.2	0.0	6.1
2021	5.1	0.0	0.1	0.0	0.0	1.3	0.0	6.5
2026	5.4	0.0	0.1	0.0	0.0	1.4	0.0	6.9
2031	5.8	0.0	0.1	0.0	0.0	1.5	0.0	7.4
Change, 2010-31	1.3	0.0	0.0	0.0	0.0	0.4	0.0	1.8
Livingstone Rural Balance								
2010	25.2	0.0	0.2	0.8	1.6	7.0	0.0	34.8
2011	26.2	0.0	0.2	0.9	1.6	7.2	0.0	36.1
2016	29.2	0.0	0.2	0.9	1.7	7.9	0.0	39.9
2021	32.1	0.0	0.2	1.0	2.0	8.6	0.0	43.9
2026	35.4	0.0	0.2	1.1	2.3	9.3	0.0	48.3

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
2031	38.7	0.0	0.2	1.2	2.6	10.0	0.0	52.8
Change, 2010-31	13.5	0.0	0.0	0.4	1.0	3.0	0.0	18.0
The Caves / Rockyview								
2010	1.7	0.0	0.0	0.2	0.0	1.5	1.8	5.2
2011	1.7	0.0	0.0	0.2	0.0	1.5	1.9	5.3
2016	1.8	0.0	0.0	0.2	0.0	1.6	2.1	5.7
2021	1.8	0.0	0.0	0.3	0.0	1.7	2.3	6.1
2026	1.9	0.0	0.0	0.3	0.0	1.8	2.5	6.6
2031	2.0	0.0	0.1	0.3	0.0	2.0	2.8	7.1
Change, 2010-31	0.3	0.0	0.0	0.1	0.0	0.5	0.9	1.9
Yeppoon & Surrounds								
2010	34.5	4.3	4.4	7.1	3.6	11.1	0.2	65.2
2011	35.8	4.4	4.6	7.3	3.7	11.4	0.2	67.4
2016	39.9	4.8	4.9	7.9	4.0	12.3	0.2	74.1
2021	44.0	5.4	5.3	8.7	4.6	13.3	0.2	81.6
2026	48.5	6.0	5.8	9.6	5.3	14.3	0.2	89.8
2031	53.1	6.7	6.2	10.5	6.0	15.4	0.3	98.1
Change, 2010-31	18.6	2.4	1.8	3.4	2.4	4.3	0.1	32.9

Source: Economic Associates estimates

Mount Morgan Planning Area

By 2031, within Mount Morgan Planning Area there is projected to be net incremental land demand of 1.8 hectares, comprising:

- ▶ 1.6 hectares in Mount Morgan Township; and
- ▶ 0.2 hectares in Mount Morgan Rural.

Industrial is anticipated to be a key driver of net incremental land demand, accounting for 45.2% of net incremental demand in Mount Morgan Planning Area in 2031.

Table E-7 below summarises net land demand within each of the sub areas of Mount Morgan Planning Area between 2010 and 2031.

Table E-7 Projected Net Land Demand (ha), Sub Areas of Mount Morgan Planning Area, 2010-31

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Mount Morgan Township								
2010	1.1	0.2	0.3	0.8	1.1	0.8	0.0	4.4
2011	1.2	0.2	0.3	0.8	1.1	0.9	0.0	4.5
2016	1.3	0.3	0.3	0.9	1.2	0.9	0.0	4.9
2021	1.5	0.3	0.4	0.9	1.3	0.9	0.0	5.3
2026	1.6	0.3	0.4	1.0	1.3	1.0	0.0	5.6
2031	1.8	0.3	0.4	1.0	1.4	1.0	0.0	6.0
Change, 2010-31	0.7	0.1	0.1	0.2	0.3	0.2	0.0	1.6
Mount Morgan Rural								
2010	0.7	0.0	0.0	0.0	0.0	0.1	0.0	0.8
2011	0.7	0.0	0.0	0.0	0.0	0.1	0.0	0.8
2016	0.7	0.0	0.0	0.0	0.0	0.1	0.0	0.9
2021	0.7	0.0	0.0	0.0	0.0	0.1	0.0	0.9
2026	0.8	0.0	0.0	0.0	0.0	0.1	0.0	1.0
2031	0.8	0.0	0.0	0.0	0.0	0.1	0.0	1.0
Change, 2010-31	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.2

Source: Economic Associates estimates

Rockhampton Planning Area

By 2031, within Rockhampton Planning Area there is projected to be net incremental land demand of 82.2 hectares, comprising:

- 1.0 hectares in Airport;
- 6.6 hectares in CBD;
- 0.1 hectares in North Rockhampton Balance;
- 5.0 hectares in North Rockhampton Commercial Corridor;
- 3.6 hectares in North Rockhampton Industrial;
- 5.1 hectares in North Rockhampton Residential;
- 41.5 hectares in Parkhurst-Kawana Industrial Corridor;
- 7.3 hectares in South Rockhampton Industrial;
- 0.6 hectares in South Rockhampton Balance;



- ▶ 4.9 hectares in South Rockhampton Commercial Corridor; and
- ▶ 6.4 hectares in South Rockhampton Residential.

Industrial is anticipated to be a key driver of net incremental land demand, accounting for 66.5% of net incremental demand in Mount Morgan Planning Area in 2031.

Table E-8 below summarises net land demand within each of the sub areas of Rockhampton Planning Area between 2010 and 2031.

Table E-8 Projected Net Land Demand (ha), Sub Areas of Rockhampton Planning Area, 2010-31

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Airport								
2010	7.3	0.1	0.1	0.4	0.0	0.0	2.9	10.8
2011	7.4	0.1	0.1	0.4	0.0	0.0	2.9	10.9
2016	7.6	0.1	0.1	0.5	0.0	0.0	3.0	11.3
2021	7.7	0.1	0.1	0.5	0.0	0.0	3.1	11.4
2026	7.8	0.1	0.1	0.5	0.0	0.0	3.2	11.6
2031	7.9	0.1	0.1	0.5	0.0	0.0	3.2	11.8
Change, 2010-31	0.5	0.0	0.0	0.1	0.0	0.0	0.4	1.0
CBD								
2010	33.5	14.0	6.5	0.9	0.1	16.5	3.2	74.7
2011	33.6	14.3	6.7	0.9	0.1	16.8	3.3	75.6
2016	33.8	15.0	7.0	0.9	0.1	17.6	3.5	77.8
2021	33.9	15.4	7.2	1.0	0.1	17.9	3.5	78.9
2026	34.0	15.7	7.4	1.0	0.1	18.3	3.6	80.0
2031	34.1	16.1	7.6	1.0	0.1	18.7	3.7	81.3
Change, 2010-31	0.5	2.2	1.0	0.1	0.0	2.3	0.4	6.6
North Rockhampton Balance								
2010	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9
2011	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9
2016	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0
2021	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0
2026	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
2031	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0
Change, 2010-31	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
North Rockhampton Commercial Corridor								
2010	16.9	2.3	10.1	4.2	3.9	5.6	0.2	43.2
2011	17.1	2.3	10.3	4.3	4.0	5.7	0.2	43.9
2016	17.6	2.4	10.8	4.5	4.1	6.0	0.2	45.6
2021	17.8	2.5	11.0	4.6	4.2	6.1	0.3	46.4
2026	18.0	2.5	11.3	4.7	4.3	6.3	0.3	47.3
2031	18.3	2.6	11.5	4.8	4.4	6.4	0.3	48.2
Change, 2010-31	1.4	0.3	1.4	0.6	0.5	0.8	0.0	5.0
North Rockhampton Industrial								
2010	32.8	0.9	0.8	1.3	0.0	4.4	0.0	40.2
2011	33.2	0.9	0.8	1.4	0.0	4.4	0.0	40.7
2016	34.1	0.9	0.8	1.4	0.0	4.6	0.0	41.9
2021	34.6	0.9	0.8	1.4	0.0	4.7	0.0	42.5
2026	35.0	0.9	0.8	1.5	0.0	4.8	0.0	43.1
2031	35.6	0.9	0.8	1.5	0.0	5.0	0.0	43.8
Change, 2010-31	2.7	0.0	0.0	0.2	0.0	0.6	0.0	3.6
North Rockhampton Residential								
2010	25.5	0.4	1.7	13.3	7.4	9.6	0.4	58.3
2011	25.6	0.4	1.7	13.6	7.5	9.8	0.4	59.0
2016	25.7	0.5	1.8	14.2	7.9	10.2	0.4	60.7
2021	25.8	0.5	1.8	14.5	8.0	10.4	0.4	61.5
2026	25.9	0.5	1.8	14.9	8.2	10.7	0.4	62.4
2031	26.0	0.5	1.9	15.2	8.4	10.9	0.4	63.3
Change, 2010-31	0.5	0.0	0.2	1.9	1.0	1.3	0.1	5.1
Parkhurst-Kawana Industrial Corridor								
2010	146.8	1.1	0.7	2.5	5.4	4.5	0.7	161.7



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
2011	152.0	1.1	0.7	2.6	5.5	4.6	0.7	167.2
2016	165.6	1.1	0.7	2.7	5.7	4.8	0.7	181.4
2021	172.2	1.2	0.7	2.7	5.9	4.9	0.7	188.3
2026	178.9	1.2	0.7	2.8	6.0	5.0	0.7	195.3
2031	186.5	1.2	0.7	2.9	6.1	5.1	0.8	203.2
Change, 2010-31	39.7	0.0	0.0	0.4	0.7	0.6	0.1	41.5
South Rockhampton Industrial								
2010	52.9	0.5	0.5	0.4	0.0	2.4	0.0	56.7
2011	53.8	0.5	0.5	0.5	0.0	2.5	0.0	57.7
2016	56.1	0.5	0.5	0.5	0.0	2.6	0.0	60.2
2021	57.2	0.5	0.5	0.5	0.0	2.6	0.0	61.4
2026	58.4	0.5	0.5	0.5	0.0	2.7	0.0	62.6
2031	59.7	0.5	0.6	0.5	0.0	2.7	0.0	64.0
Change, 2010-31	6.8	0.0	0.0	0.1	0.0	0.3	0.0	7.3
South Rockhampton Balance								
2010	6.2	0.0	0.0	0.0	0.0	0.3	0.0	6.5
2011	6.3	0.0	0.0	0.0	0.0	0.3	0.0	6.6
2016	6.5	0.0	0.0	0.0	0.0	0.3	0.0	6.8
2021	6.5	0.0	0.0	0.0	0.0	0.3	0.0	6.9
2026	6.6	0.0	0.0	0.0	0.0	0.3	0.0	6.9
2031	6.7	0.0	0.0	0.0	0.0	0.3	0.0	7.1
Change, 2010-31	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6
South Rockhampton Commercial Corridor								
2010	25.6	0.7	3.1	4.9	7.1	8.4	0.0	49.8
2011	25.8	0.8	3.1	5.0	7.3	8.6	0.0	50.5
2016	26.2	0.8	3.3	5.2	7.6	9.0	0.0	52.2
2021	26.5	0.9	3.4	5.3	7.7	9.2	0.0	53.0
2026	26.7	0.9	3.5	5.5	7.9	9.4	0.0	53.8



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
2031	27.0	1.0	3.6	5.6	8.1	9.6	0.0	54.7
Change, 2010-31	1.4	0.2	0.5	0.7	0.9	1.2	0.0	4.9
South Rockhampton Residential								
2010	3.2	0.8	0.5	10.1	22.5	9.3	0.0	46.3
2011	3.3	0.8	0.5	10.3	22.9	9.5	0.0	47.2
2016	3.5	0.8	0.5	10.8	24.0	9.9	0.0	49.4
2021	3.6	0.8	0.6	11.0	24.4	10.1	0.0	50.5
2026	3.7	0.8	0.6	11.3	24.9	10.3	0.0	51.5
2031	3.8	0.8	0.6	11.6	25.4	10.6	0.0	52.7
Change, 2010-31	0.5	0.0	0.1	1.5	3.0	1.3	0.0	6.4

Source: Economic Associates estimates



1. Introduction

1.1 Purpose of Study

Rockhampton Regional Council commissioned GHD Pty Ltd in association with Economic Associates Pty Ltd in September 2010 to prepare an Economic Development and Employment Study. The purpose of the Economic Development & Employment Study is to:

- Analyse key characteristics of the Rockhampton Region's economy and outline the likely future economic growth directions;
- Assess the effectiveness of current planning scheme provisions in facilitating the economic growth of the region;
- Analyse employment growth and project the region's employment to 2031; and
- Estimate future land requirements across the region for key land use categories.

This analysis of the Rockhampton region will assist in understanding how it compares with other key regions across the state, the strengths and the likely future direction of the region's economic growth and how best the planning scheme can maximise its contribution to the economic growth of the region.

It is intended that the employment growth projections across the region will in turn underpin the estimates of land requirements for various parts of the region across all key land use categories. This information will provide the basis for planning sustainable growth of the region's activity centres and industrial areas.

1.2 Report Structure

This report is structured as follows:

- Section 1: Introduction: This section outlines the purpose of the study and report structure;
- Section 2: Comparative Regional Economic Overview: This section provides an overview of the socio-economic environment, anticipated future population, labour market conditions and enterprise activity within Rockhampton Regional Council, benchmarked against Gladstone Regional Council, Mackay Regional Council, Townsville City Council and Central Highlands Regional Council. It will also discuss regulatory constraints which have likely inhibited economic development within the former Council areas;
- Section 3: Rockhampton Regional Overview: This section provides an overview of the major projects within Rockhampton Regional Council and major coal activity within Central West SD (Rockhampton is the major service centre). A summary of agricultural production within Rockhampton Regional Council is also presented;
- Section 4: Industrial Futures Diagnostics: This section provides an analysis of the region's competitive advantages and identifies potential gaps within the region's supply chains and customer markets that could be developed;
- Section 5: Sub Area Analysis: This section defines the sub areas within Rockhampton Regional Council and provides a socio-economic overview of the identified sub areas; and



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- ▶ Section 6: Employment and Land Use Projections: This section provides an overview of employment and land use projections for each of the identified sub areas.

2. Comparative Regional Economic Overview

The purpose of this section of the report is to provide an overview of Rockhampton Regional Council and its planning areas, namely:

- Fitzroy Planning Area (former Fitzroy local government area);
- Livingstone Planning Area (former Livingstone local government area);
- Mount Morgan Planning Area (former Mont Morgan local government area); and
- Rockhampton Planning Area (former Rockhampton local government area).

Rockhampton Regional Council and its planning areas have been benchmarked against a number of other regions, namely:

- Gladstone Regional Council;
- Mackay Regional Council;
- Townsville City Council; and
- Central Highlands Regional Council.

This analysis has been undertaken to assess the relative competitive and comparative advantages of Rockhampton Regional Council, and to provide an understanding of the region's key strengths, opportunities, weaknesses and threats.

2.1 Socio-Economic Overview

A socio-economic profile of the Fitzroy, Livingstone, Mount Morgan and Rockhampton planning areas as at the 1996, 2001 and 2006 Censuses of Population and Housing, benchmarked against Rockhampton Regional Council, Fitzroy SD and Queensland is provided in **Table 2-1**. Rockhampton Regional Council is then compared with Gladstone Regional Council, Mackay Regional Council, Townsville City Council¹ and Central Highlands Regional Council. A number of key points can be drawn from this profile, these points being:

- In 2006, there were 102,130 persons living in Rockhampton Regional Council, accounting for approximately 52.4% of the Fitzroy SD population, including:
 - 10,287 persons living in the Fitzroy planning area, or 10.1% of the Rockhampton Regional Council population;
 - 29,554 persons living in the Livingstone planning area, or 28.9% of the Rockhampton Regional Council population;
 - 2,912 persons living in the Mount Morgan planning area, or 2.9% of the Rockhampton Regional Council population; and
 - 59,377 persons living in the Rockhampton planning area, or 58.1% of the Rockhampton Regional Council population;

¹ All estimates pertain to the amalgamated regional council. Townsville City Council has not accepted the 'Regional Council' nomenclature and remains described as Townsville City Council.

- ▶ Population growth in Rockhampton Regional Council was higher between 2001 and 2006 than between 1996 and 2001. The Livingstone planning area was the only planning area within Rockhampton Regional Council to record an average annual population growth higher than Fitzroy SD. Rockhampton Regional Council recorded slower population growth than the other Regional Councils analysed;
- ▶ The Fitzroy planning area had a young family oriented population with a significantly lower average age of residents (35.6 years) than the other component planning areas of Rockhampton Regional Council, Fitzroy SD and Queensland. Almost 40% of households within the Fitzroy planning area are couple families with children households;
- ▶ The Livingstone planning area had a relatively mature population with a high proportion of persons aged 65 years and over compared with Rockhampton Regional Council, Fitzroy SD and Queensland. The Livingstone planning area traditionally has a higher average age of residents than Rockhampton Regional Council, Fitzroy SD and Queensland;
- ▶ The Mount Morgan planning area had a mature population with a higher average age of residents (41.9 years) than Rockhampton Regional Council and its component planning areas, Fitzroy SD and Queensland;
- ▶ The Rockhampton planning area had a relatively high incidence of residents aged 15 to 24 years compared with Rockhampton Regional Council and its component planning areas, Fitzroy SD and Queensland. In 2006, the average age of residents in the Rockhampton planning area was above the Fitzroy SD average and similar to Queensland;
- ▶ The average age of residents in Rockhampton Regional Council was higher than the other regional councils analysed but was comparable to Queensland;
- ▶ The Livingstone planning area had a relatively high proportion of couple families without children households compared with the other planning areas within Rockhampton Regional Council, Fitzroy SD and Queensland. Between 2001 and 2006, Rockhampton Regional Council recorded a decline in the proportion of couple families with children households and an increase in the proportion of couple families without children and lone person households;
- ▶ Within Rockhampton Regional Council, there was a relatively high incidence of households fully owning their home, including over 35% in the Livingstone and Mount Morgan planning areas. The Fitzroy planning area recorded a significantly higher proportion of households with a mortgage than the other planning areas within Rockhampton Regional Council, Fitzroy SD and Queensland. Rockhampton Regional Council recorded a lower proportion of households paying off a mortgage than Gladstone, Mackay and Townsville Regional Councils;
- ▶ Between 1996 and 2006, the Mount Morgan planning area was the only region to record an increase in the proportion of households renting. Rockhampton Regional Council recorded a lower proportion of households renting than Townsville and Central Highlands Regional Councils;
- ▶ Households within Rockhampton Regional Council generally earn a lower income than the other Regional Councils analysed, Fitzroy SD and Queensland. Within Rockhampton Regional Council, households in the Mount Morgan planning area recorded the lowest average weekly household income (\$648);
- ▶ The average monthly housing loan repayment was higher in the Livingstone planning area than in Rockhampton Regional Council and Fitzroy SD. Compared with the other Regional Councils



analysed, Rockhampton Regional Council recorded a lower average monthly housing loan repayment;

- ▶ The labour force participation rate in Rockhampton Regional Council was lower than in Gladstone, Mackay, Townsville and Central Highlands Regional Councils, Fitzroy SD and Queensland. Between 1996 and 2006, the unemployment rate decreased in all regions but was higher in Rockhampton Regional Council than in Mackay, Townsville and Central Highlands Regional Councils, Fitzroy SD and Queensland. The unemployment rate in the Mount Morgan planning area was significantly higher than in the other regions (15.3% in 2006);
- ▶ The proportion of persons with a post-school qualification in Rockhampton Regional Council increased significantly between 1996 and 2006 but was lower than the rate in Central Highlands Regional Council, Fitzroy SD and Queensland. Within Rockhampton Regional Council, the Livingstone planning area recorded the highest incidence of persons with a post-school qualification;
- ▶ Rockhampton Regional Council recorded a relatively high proportion of persons employed in blue collar professions compared with Queensland but a lower than Gladstone, Mackay and Central Highlands Regional Councils. Within Rockhampton Regional Council, the incidence of persons employed in lower blue collar professions was over 30% in the Mount Morgan planning area. The composition of employment remained relatively stable in Rockhampton Regional Council between 1996 and 2006;
- ▶ In Rockhampton Regional Council, the most significant industries of employment in 2006 were retail trade, health care and social assistance, and education and training. Compared with Queensland, Rockhampton Regional Council recorded a lower proportion of persons employed in the professional, scientific and technical services and manufacturing industries; and
- ▶ Within Rockhampton Regional Council, the Fitzroy and Mount Morgan planning areas recorded a relatively high proportion of persons employed in industrial sectors with the Fitzroy planning area also recording a high proportion of persons employed in agriculture, forestry and fishing. The Livingstone planning area recorded a relatively high proportion of persons employed in the construction, accommodation and food services, and education and training industries.



Table 2-1 Socio-Economic Overview, Rockhampton RC, Component Planning Areas, Gladstone RC, Mackay RC, Townsville CC, Central Highlands RC, Fitzroy SD and Queensland, 1996-2006

	Fitzroy Planning Area			Livingstone Planning Area			Mount Morgan Planning Area			Rockhampton Planning Area			Rockhampton Regional Council			Gladstone Regional Council			Mackay Regional Council			Townsville City Council			Central Highlands Regional Council			Fitzroy SD			Queensland		
	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006
Population	9,467	9,538	10,287	24,348	26,575	29,554	28,54	2,773	2,912	59,274	57,864	59,377	95,943	96,750	102,130	44,433	46,392	51,707	85,913	89,361	100,749	131,249	143,665	158,289	27,072	26,786	30,472	178,783	180,500	194,994	3,319,186	3,585,639	3,973,960
Ave. Ann Growth	-	0.1%	1.5%	-	1.8%	2.1%	-	-0.6%	1.0%	-	-0.5%	0.5%	-	0.2%	1.1%	-	0.9%	2.2%	-	0.8%	2.4%	-	1.8%	2.0%	-	-0.2%	2.6%	-	0.2%	1.6%	-	1.6%	2.1%
Age Distribution																																	
0-14 years	29.6%	27.2%	25.6%	22.8%	21.5%	21.2%	20.8%	20.2%	20.9%	21.9%	21.3%	21.1%	22.9%	21.9%	21.6%	25.1%	24.5%	23.4%	24.4%	23.4%	22.2%	22.9%	22.1%	21.3%	26.3%	24.5%	21.5%	24.3%	23.3%	22.2%	21.9%	21.3%	20.4%
15-24 years	11.7%	11.4%	12.3%	13.2%	12.0%	11.4%	10.0%	10.2%	10.0%	17.6%	16.5%	15.9%	15.7%	14.6%	14.0%	13.7%	12.8%	12.7%	13.7%	13.2%	13.0%	17.2%	16.4%	16.1%	13.6%	13.0%	13.3%	14.7%	13.9%	13.6%	14.8%	13.8%	13.6%
25-34 years	15.8%	12.3%	10.5%	13.4%	10.8%	9.3%	10.6%	9.6%	8.0%	14.2%	13.5%	12.8%	14.0%	12.5%	11.4%	15.7%	13.6%	13.1%	15.2%	13.6%	12.8%	16.4%	16.0%	14.6%	18.1%	16.2%	16.5%	15.3%	13.6%	13.0%	15.2%	14.2%	13.3%
35-44 years	16.6%	16.9%	15.2%	15.5%	15.0%	14.0%	12.3%	11.8%	11.3%	13.6%	13.6%	13.2%	14.3%	14.2%	13.6%	16.9%	16.6%	15.7%	15.9%	15.6%	15.2%	15.0%	15.1%	14.5%	17.5%	16.6%	16.2%	15.5%	15.3%	14.7%	15.0%	14.9%	14.6%
45-54 years	10.7%	13.4%	14.3%	12.4%	14.5%	15.1%	13.3%	14.2%	14.5%	11.3%	12.4%	12.9%	11.6%	13.1%	13.7%	13.0%	14.2%	14.6%	12.2%	13.6%	14.5%	11.9%	12.8%	13.3%	12.0%	13.5%	14.7%	12.0%	13.3%	14.0%	12.7%	13.7%	13.7%
55-64 years	8.2%	9.6%	10.9%	10.4%	11.8%	13.6%	13.1%	14.6%	16.1%	8.2%	9.0%	9.9%	8.9%	10.0%	11.2%	8.0%	9.6%	11.2%	8.4%	9.6%	10.8%	7.3%	8.3%	10.0%	7.0%	9.2%	10.6%	8.3%	9.5%	10.8%	8.4%	9.7%	11.4%
65+ years (%)	7.4%	9.3%	11.2%	12.3%	14.4%	15.5%	19.9%	19.4%	19.2%	13.2%	13.8%	14.3%	12.6%	13.7%	14.5%	7.6%	8.7%	9.2%	10.3%	11.1%	11.5%	9.1%	9.3%	10.2%	5.5%	6.9%	7.2%	10.0%	11.1%	11.7%	12.0%	12.4%	13.0%
Average age (years)	31.8	34.0	35.6	36.1	38.3	39.6	41.1	41.6	41.9	35.3	36.3	37.1	35.3	36.8	37.8	32.9	34.4	35.4	34.2	35.5	36.5	33.2	34.1	35.3	31.2	33.2	34.6	33.9	35.4	36.4	35.5	36.6	37.6
Household Type (% of dwellings)																																	
Couple families with children	45.6%	39.9%	37.3%	33.2%	30.1%	29.0%	25.7%	20.5%	18.5%	31.6%	28.7%	27.3%	33.1%	29.9%	28.4%	38.7%	35.5%	34.1%	37.2%	34.7%	33.8%	35.6%	32.6%	30.7%	43.3%	36.1%	34.3%	36.6%	32.9%	31.4%	33.7%	30.7%	29.4%
Couple families without children	25.9%	27.5%	28.1%	27.5%	29.1%	30.4%	25.9%	25.1%	25.4%	23.0%	23.0%	24.0%	24.5%	25.1%	26.3%	24.4%	25.7%	26.7%	24.7%	24.9%	26.7%	23.5%	24.2%	25.2%	21.5%	22.5%	23.1%	24.0%	24.9%	25.8%	25.0%	25.3%	26.0%
Single parent family	9.2%	10.8%	9.4%	8.7%	9.3%	8.7%	9.8%	12.6%	13.1%	11.6%	12.7%	12.8%	10.6%	11.6%	11.3%	8.4%	9.7%	9.2%	9.5%	10.6%	9.2%	10.5%	11.2%	11.0%	5.1%	6.1%	5.5%	9.2%	10.2%	9.8%	9.9%	10.8%	10.5%
Lone person households	14.2%	15.5%	14.8%	18.3%	19.2%	19.3%	31.7%	32.7%	33.4%	23.0%	25.5%	24.3%	21.3%	23.1%	22.3%	16.9%	18.9%	18.1%	19.0%	20.4%	18.3%	19.2%	20.2%	19.8%	15.8%	18.2%	16.9%	19.4%	21.2%	20.4%	20.6%	21.8%	21.0%
Average Household Size																																	
Average Household size	3.0	2.9	2.8	2.9	2.7	2.7	2.4	2.3	2.3	2.8	2.7	2.7	2.8	2.7	2.7	2.8	2.7	2.7	2.8	2.7	2.7	2.9	2.8	2.7	3.0	2.8	3.0	2.9	2.7	2.7	2.8	2.6	2.6
Household Finances																																	
% of households fully owning home	41.2%	41.1%	34.6%	44.2%	42.9%	37.6%	57.9%	55.7%	46.6%	41.0%	38.3%	31.5%	42.4%	40.4%	34.0%	35.6%	35.2%	28.7%	40.7%	38.8%	31.7%	31.8%	29.7%	24.8%	27.9%	31.2%	27.2%	38.0%	37.5%	31.3%	38.7%	36.6%	30.4%
% of households purchasing home	33.7%	32.5%	38.1%	24.8%	25.8%	30.5%	15.0%	15.1%	20.2%	21.4%	23.6%	29.0%	26.2%	24.8%	30.0%	27.1%	29.3%	36.8%	22.5%	25.5%	32.7%	26.3%	28.8%	34.3%	19.0%	18.1%	23.9%	22.7%	24.7%	30.7%	24.8%	25.8%	31.4%
% of households renting	20.8%	21.0%	19.4%	26.1%	25.2%	24.0%	20.9%	22.1%	23.7%	33.8%	33.0%	31.9%	30.2%	29.5%	28.2%	32.8%	30.0%	27.6%	32.5%	30.3%	26.8%	37.2%	35.9%	33.2%	53.2%	43.6%	39.7%	34.9%	32.4%	30.3%	31.8%	31.6%	30.0%
Average weekly household income	-	\$860	\$1,162	-	\$828	\$1,130	-	\$523	\$648	-	\$826	\$1,083	-	\$819	\$1,088	-	\$943	\$1,314	-	\$869	\$1,316	-	\$962	\$1,265	-	\$1,156	\$1,650	-	\$685	\$1,248	-	\$905	\$1,202
Average weekly family income	\$813	\$1,069	\$1,408	\$799	\$1,064	\$1,432	\$494	\$718	\$870	\$855	\$1,101	\$1,411	\$826	\$1,076	\$1,401	\$961	\$1,217	\$1,664	\$930	\$1,118	\$1,630	\$964	\$1,257	\$1,597	\$1,251	\$1,511	\$1,944	\$936	\$1,193	\$1,572	\$918	\$1,175	\$1,499
Average monthly housing loan repayment	\$767	\$828	\$1,156	\$840	\$919	\$1,369	\$437	\$542	\$675	\$749	\$792	\$1,128	\$770	\$828	\$1,196	\$830	\$905	\$1,352	\$858	\$962	\$1,486	\$851	\$963	\$1,377	\$810	\$857	\$1,507	\$787	\$852	\$1,280	\$870	\$977	\$1,475
Average weekly rent payment	\$101	\$123	\$153	\$115	\$131	\$181	\$83	\$92	\$121	\$114	\$125	\$160	\$113	\$125	\$164	\$113	\$128	\$183	\$114	\$133	\$207	\$125	\$151	\$203	\$66	\$94	\$139	\$99	\$117	\$160	\$130	\$154	\$218
Labour Market																																	
Full-time employment (% labour force)	62.6%	59.4%	63.6%	59.8%	56.6%	60.6%	47.8%	44.5%	48.7%	59.9%	57.8%	61.9%	59.9%	57.4%	61.4%	64.2%	60.1%	64.5%	63.7%	59.9%	65.5%	62.0%	60.2%	64.0%	71.8%	69.6%	72.7%	64.1%	61.1%	65.2%	61.4%	58.9%	61.8%
Part-time employment (% labour force)	24.0%	27.4%	26.3%	23.6%	26.8%	27.4%	24.6%	23.5%	27.9%	24.5%	26.4%	26.6%	24.2%	26.6%	26.8%	20.6%	24.1%	23.6%	22.4%	24.9%	24.1%	23.4%	24.6%	24.7%	18.7%	19.4%	18.3%	21.8%	24.4%	23.9%	24.1%	26.3%	27.3%
Total employment	91.1%	92.9%	95.9%	88.7%	91.3%	95.4%	76.6%	76.2%	84.7%	89.3%	90.7%	94.2%	89.1%	90.8%	94.5%	89.8%	90.5%	94.5%	91.4%	91.4%	96.1%	90.6%	91.4%	95.5%	95.7%	95.4%	97.7%	90.9%	91.9%	95.4%	90.3%	91.7%	95.2%



	Fitzroy Planning Area			Livingstone Planning Area			Mount Morgan Planning Area			Rockhampton Planning Area			Rockhampton Regional Council			Gladstone Regional Council			Mackay Regional Council			Townsville City Council			Central Highlands Regional Council			Fitzroy SD			Queensland		
	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006
(% labour force)																																	
Unemployment rate (% labour force)	8.9%	7.1%	4.1%	11.3%	8.7%	4.6%	23.4%	23.8%	15.3%	10.7%	9.3%	5.8%	10.9%	9.2%	5.5%	10.2%	9.5%	5.5%	8.6%	8.6%	3.9%	9.4%	8.6%	4.5%	4.3%	4.6%	2.3%	9.1%	8.1%	4.6%	9.7%	8.3%	4.8%
Participation rate (% of population 15-64 years)	70.0%	70.2%	70.5%	63.8%	64.0%	66.1%	46.7%	46.2%	47.1%	68.8%	70.2%	70.9%	67.0%	67.9%	68.9%	71.0%	70.2%	71.9%	70.1%	69.6%	72.3%	71.6%	72.4%	72.9%	74.4%	73.1%	73.5%	69.8%	70.2%	71.4%	70.7%	70.5%	71.3%
Qualifications																																	
% of persons with a post-school qualification	22.7%	23.5%	28.0%	26.5%	29.8%	35.0%	14.6%	17.5%	20.6%	24.0%	27.2%	31.3%	24.2%	27.3%	31.8%	28.1%	31.4%	31.3%	24.9%	28.5%	28.7%	28.2%	32.8%	31.7%	27.8%	30.4%	35.5%	25.5%	28.7%	33.4%	27.6%	32.3%	37.5%
% of persons with Bachelor or higher	4.6%	5.0%	6.0%	7.2%	8.7%	10.5%	1.9%	2.8%	2.8%	7.4%	8.9%	10.6%	6.9%	8.3%	9.9%	6.2%	7.5%	8.6%	5.4%	6.9%	8.1%	9.0%	10.8%	12.4%	6.4%	7.7%	8.0%	6.6%	8.0%	9.2%	8.6%	10.8%	13.1%
% of persons with Diploma	4.3%	3.7%	4.1%	5.0%	4.7%	5.5%	2.4%	2.3%	3.2%	4.6%	4.0%	4.5%	4.6%	4.1%	4.7%	4.2%	4.2%	0.0%	4.3%	4.0%	0.0%	5.2%	5.1%	0.0%	4.7%	4.2%	4.6%	4.5%	4.1%	4.7%	5.4%	5.5%	6.6%
% of persons with Certificate	13.8%	14.9%	17.9%	14.3%	16.4%	19.0%	10.3%	12.4%	14.5%	12.0%	14.2%	16.2%	12.7%	14.8%	17.1%	17.7%	19.7%	22.7%	15.2%	17.7%	20.6%	14.0%	16.9%	19.3%	16.7%	18.5%	22.9%	14.4%	16.6%	19.5%	13.6%	16.0%	17.8%
Occupation																																	
Upper White Collar																																	
Managers	16.0%	15.2%	13.5%	15.5%	14.2%	13.2%	11.9%	9.8%	8.8%	10.1%	9.1%	8.9%	12.0%	11.1%	10.6%	10.8%	11.1%	10.0%	13.9%	13.4%	11.7%	10.6%	10.4%	10.1%	16.5%	18.0%	14.5%	13.5%	13.2%	11.7%	13.3%	12.9%	12.4%
Professionals	9.7%	9.8%	10.0%	15.4%	16.0%	16.1%	9.7%	8.3%	8.4%	15.5%	16.0%	16.4%	14.7%	15.2%	15.5%	11.8%	12.3%	12.7%	12.2%	12.9%	12.7%	15.5%	15.9%	16.3%	9.8%	10.0%	9.9%	12.7%	13.2%	13.3%	15.3%	16.4%	17.2%
Subtotal	25.7%	25.0%	23.5%	30.9%	30.1%	29.3%	21.6%	18.0%	17.2%	25.5%	25.1%	25.3%	26.8%	26.3%	26.1%	22.7%	23.4%	22.7%	26.1%	26.3%	24.4%	26.1%	26.3%	26.4%	26.3%	28.0%	24.4%	26.2%	26.4%	25.1%	28.6%	29.3%	29.6%
Lower White Collar																																	
Community & Personal Service Workers	8.0%	9.0%	9.4%	10.4%	9.7%	9.7%	14.5%	14.9%	13.8%	9.0%	9.9%	9.8%	9.3%	9.8%	9.8%	6.0%	7.1%	7.0%	6.3%	7.2%	7.2%	11.0%	12.5%	11.7%	4.6%	5.4%	4.6%	7.4%	8.1%	7.8%	8.1%	8.9%	9.1%
Clerical and Admin Workers	14.1%	12.9%	13.7%	13.2%	13.5%	13.0%	8.7%	10.3%	10.1%	15.8%	15.3%	15.2%	14.9%	14.5%	14.4%	11.8%	12.1%	11.7%	13.6%	13.1%	13.4%	16.2%	14.9%	14.8%	9.8%	9.9%	10.0%	12.7%	12.7%	12.4%	15.3%	15.0%	14.8%
Sales Workers	8.5%	9.0%	9.5%	8.0%	9.4%	9.3%	6.3%	7.9%	7.7%	11.4%	11.1%	10.9%	10.2%	10.4%	10.3%	8.0%	8.8%	8.4%	9.7%	10.5%	9.7%	10.2%	10.6%	9.9%	6.1%	6.6%	6.0%	8.5%	9.0%	8.6%	10.2%	10.7%	10.3%
Subtotal	30.6%	31.0%	32.6%	31.6%	32.6%	32.0%	29.5%	33.1%	31.5%	36.2%	36.3%	35.9%	34.4%	34.7%	34.4%	25.9%	28.0%	27.2%	29.5%	30.9%	30.3%	37.4%	38.0%	36.3%	20.5%	21.9%	20.6%	28.6%	29.8%	28.9%	33.6%	34.7%	34.2%
Upper Blue Collar																																	
Technicians & Trades Workers	16.8%	16.4%	17.5%	16.0%	15.3%	17.2%	13.2%	15.6%	14.3%	16.2%	15.4%	16.5%	16.1%	15.5%	16.7%	22.9%	20.5%	21.7%	17.8%	17.0%	19.5%	15.9%	15.9%	16.8%	17.9%	16.6%	20.9%	18.2%	17.0%	18.8%	15.6%	14.7%	15.3%
Subtotal	16.8%	16.4%	17.5%	16.0%	15.3%	17.2%	13.2%	15.6%	14.3%	16.2%	15.4%	16.5%	16.1%	15.5%	16.7%	22.9%	20.5%	21.7%	17.8%	17.0%	19.5%	15.9%	15.9%	16.8%	17.9%	16.6%	20.9%	18.2%	17.0%	18.8%	15.6%	14.7%	15.3%
Lower Blue Collar																																	
Machinery Operators & Drivers	10.7%	10.4%	11.2%	6.6%	6.6%	7.8%	11.8%	11.6%	12.2%	7.6%	7.0%	7.1%	7.7%	7.4%	7.8%	12.5%	13.5%	12.8%	11.9%	11.7%	11.9%	8.3%	8.5%	7.7%	20.2%	18.9%	20.0%	11.6%	11.2%	12.0%	8.3%	7.8%	7.2%
Labourers	13.6%	15.3%	13.4%	12.4%	13.4%	11.9%	18.4%	18.9%	22.6%	12.3%	14.2%	13.7%	12.6%	14.2%	13.3%	13.4%	12.7%	13.5%	12.0%	11.7%	12.2%	9.8%	9.6%	11.0%	12.4%	12.9%	12.3%	12.8%	13.8%	13.4%	11.4%	11.5%	11.9%
Subtotal	24.3%	25.7%	24.5%	19.0%	20.0%	19.7%	30.1%	30.5%	34.8%	19.9%	21.2%	20.8%	20.3%	21.5%	21.1%	25.9%	26.1%	26.3%	23.9%	23.4%	24.1%	18.1%	18.0%	18.7%	32.6%	31.8%	32.3%	24.4%	25.0%	25.4%	19.7%	19.3%	19.1%
Employment by Industry (% of employees)																																	
Agriculture, forestry & fishing	11.2%	10.7%	8.8%	7.5%	7.0%	4.9%	5.2%	4.1%	4.0%	1.1%	1.4%	0.8%	3.8%	3.9%	2.9%	4.2%	3.9%	2.4%	9.0%	8.2%	4.8%	1.2%	1.3%	0.9%	15.0%	18.0%	10.7%	7.3%	7.7%	5.2%	5.2%	4.9%	3.4%
Mining	1.3%	1.2%	3.6%	1.2%	1.9%	3.6%	1.3%	2.0%	1.7%	0.6%	0.8%	1.6%	0.8%	1.1%	2.3%	0.8%	1.0%	1.5%	1.8%	2.8%	6.6%	0.9%	1.2%	2.2%	25.0%	17.9%	22.2%	6.4%	4.7%	7.0%	1.6%	1.2%	1.7%
Manufacturing	8.9%	9.5%	8.1%	7.6%	7.8%	7.1%	8.6%	8.4%	9.9%	9.1%	9.4%	9.5%	8.7%	9.0%	8.7%	18.2%	19.5%	19.8%	10.8%	9.9%	10.1%	8.3%	8.2%	8.2%	2.8%	4.0%	4.3%	9.9%	10.6%	10.7%	10.1%	10.5%	9.9%
Electricity, gas, water & waste services	2.2%	2.3%	2.2%	1.1%	1.6%	2.1%	1.5%	2.0%	1.7%	2.0%	2.4%	2.8%	1.8%	2.1%	2.5%	3.5%	2.4%	2.3%	1.0%	1.0%	1.0%	1.1%	1.1%	1.4%	0.6%	0.8%	0.6%	2.2%	2.2%	2.3%	0.9%	1.0%	1.0%
Construction	6.9%	6.4%	8.1%	7.0%	7.7%	10.4%	3.9%	7.5%	8.7%	5.5%	5.7%	7.2%	6.0%	6.3%	8.2%	12.1%	8.6%	12.4%	7.9%	6.8%	10.1%	6.5%	7.2%	10.1%	6.3%	6.5%	11.4%	7.4%	6.8%	9.7%	7.0%	6.9%	9.0%
Wholesale trade	5.1%	6.1%	4.6%	4.0%	3.9%	2.6%	2.1%	3.3%	3.0%	4.8%	5.5%	3.8%	4.6%	5.1%	3.6%	3.7%	4.5%	2.5%	6.5%	6.1%	4.8%	5.2%	4.4%	3.2%	3.9%	4.7%	2.9%	4.2%	5.0%	3.1%	5.3%	4.9%	3.9%
Retail trade	10.5%	11.8%	10.9%	9.2%	10.0%	10.9%	8.7%	8.3%	10.1%	13.0%	12.3%	12.6%	11.8%	11.6%	11.9%	9.5%	11.0%	10.3%	10.3%	12.1%	11.6%	10.8%	11.5%	11.0%	7.4%	8.3%	7.7%	10.1%	10.6%	10.3%	10.6%	11.5%	11.6%



	Fitzroy Planning Area			Livingstone Planning Area			Mount Morgan Planning Area			Rockhampton Planning Area			Rockhampton Regional Council			Gladstone Regional Council			Mackay Regional Council			Townsville City Council			Central Highlands Regional Council			Fitzroy SD			Queensland		
	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006	1996	2001	2006
Accommodation & food services	5.8%	5.6%	5.4%	10.7%	10.2%	8.9%	5.0%	5.5%	6.3%	7.4%	8.1%	7.3%	8.0%	8.3%	7.5%	5.7%	6.8%	6.7%	7.1%	6.9%	6.7%	7.1%	7.2%	6.8%	5.5%	5.8%	5.8%	6.7%	7.1%	6.7%	7.2%	7.4%	7.0%
Transport, postal & warehousing	8.1%	8.8%	8.9%	3.9%	4.5%	4.0%	8.6%	7.6%	7.4%	6.3%	6.8%	6.4%	5.9%	6.4%	6.0%	8.4%	7.4%	7.2%	7.8%	6.6%	6.3%	5.3%	5.6%	5.1%	5.2%	5.5%	4.6%	6.2%	6.2%	5.8%	5.1%	5.2%	5.1%
Information media & telecommunications	2.1%	1.0%	0.7%	1.6%	1.3%	0.9%	0.6%	0.5%	0.0%	2.4%	1.7%	1.3%	2.1%	1.5%	1.1%	0.8%	0.8%	0.7%	1.8%	1.2%	0.8%	2.2%	2.1%	1.6%	0.8%	0.6%	0.4%	1.5%	1.1%	0.8%	2.1%	1.9%	1.4%
Financial & insurance services	1.8%	1.4%	1.5%	2.3%	1.9%	1.8%	1.1%	0.7%	0.6%	2.8%	2.4%	2.3%	2.6%	2.1%	2.0%	1.5%	1.5%	1.3%	2.4%	2.1%	1.9%	2.2%	1.9%	1.8%	1.3%	1.3%	1.2%	2.0%	1.7%	1.6%	3.0%	2.8%	2.9%
Rental, hiring & real estate services	1.0%	1.0%	1.3%	2.2%	2.0%	2.2%	1.8%	1.5%	1.3%	1.6%	1.4%	1.6%	1.7%	1.5%	1.7%	1.8%	1.6%	1.8%	1.6%	1.7%	1.9%	1.6%	1.6%	1.8%	1.0%	1.1%	1.4%	1.5%	1.4%	1.6%	2.0%	2.0%	2.1%
Professional, scientific & technical services	3.1%	2.3%	2.8%	3.8%	3.8%	3.7%	2.1%	1.5%	1.8%	4.1%	3.5%	3.4%	3.9%	3.4%	3.4%	4.4%	4.3%	4.9%	4.0%	4.2%	4.5%	4.7%	4.1%	4.4%	2.9%	2.9%	3.0%	3.7%	3.5%	3.6%	5.5%	5.4%	5.6%
Administrative & support services	2.2%	2.0%	2.2%	1.6%	2.4%	2.0%	2.4%	1.7%	2.6%	2.5%	2.7%	2.4%	2.2%	2.6%	2.3%	2.5%	3.1%	2.5%	1.9%	2.6%	2.3%	2.6%	3.1%	2.9%	1.4%	2.1%	2.0%	2.1%	2.6%	2.3%	2.7%	3.2%	3.0%
Public administration & safety	4.1%	4.3%	6.1%	8.1%	5.7%	7.0%	12.0%	9.3%	8.7%	6.0%	6.0%	6.7%	6.4%	5.8%	6.8%	3.8%	4.0%	4.1%	3.2%	3.6%	4.1%	12.3%	13.2%	12.2%	4.1%	3.4%	4.5%	5.1%	4.9%	5.5%	6.3%	6.2%	6.7%
Education & training	7.1%	7.8%	6.5%	11.7%	12.0%	11.3%	7.8%	9.1%	8.4%	10.3%	10.5%	10.5%	10.3%	10.6%	10.3%	6.0%	7.5%	6.9%	6.5%	7.4%	6.4%	8.7%	8.6%	8.0%	6.1%	6.6%	5.7%	8.1%	8.8%	8.2%	7.5%	8.0%	7.6%
Health care & social assistance	11.3%	11.3%	11.1%	8.6%	9.1%	9.5%	16.8%	19.0%	16.3%	12.1%	11.3%	12.7%	11.2%	10.9%	11.7%	5.1%	6.1%	6.3%	7.6%	8.3%	8.2%	9.8%	10.3%	11.0%	3.7%	4.2%	4.1%	8.1%	8.2%	8.6%	9.2%	9.5%	10.2%
Arts & recreation services	0.7%	0.6%	0.6%	1.0%	1.0%	0.9%	1.1%	1.0%	0.4%	0.9%	1.1%	0.9%	0.9%	1.0%	0.9%	0.8%	0.7%	0.7%	0.8%	0.8%	0.6%	2.5%	1.5%	1.3%	0.5%	0.5%	0.3%	0.8%	0.8%	0.6%	1.5%	1.5%	1.4%
Other services	3.8%	4.0%	4.2%	3.8%	4.0%	3.6%	2.9%	3.3%	2.7%	4.8%	4.9%	4.4%	4.4%	4.6%	4.1%	3.0%	3.2%	2.9%	4.6%	5.0%	4.7%	4.1%	3.8%	3.6%	2.9%	3.5%	4.3%	3.7%	3.9%	3.7%	4.3%	4.0%	3.7%

Source: ABS (2006)

2.1.1 Population Projections

The population in Rockhampton Regional Council is projected to increase from 118,383 persons in 2010 to 164,745 persons in 2031, or by approximately 1.6% per annum. The Livingstone planning area is anticipated to account for almost half of the population growth in Rockhampton Regional Council and is projected to increase from 35,156 persons in 2010 to 58,356 persons in 2031, or by approximately 2.4% per annum. The population in the Rockhampton planning area is estimated to account for 56.4% of the Rockhampton Regional Council population in 2010, decreasing to 49.5% in 2031.

Population growth and household formation is anticipated to be lower in Rockhampton Regional Council than in Gladstone, Mackay, Townsville and Central Highlands Regional Councils, Fitzroy SD and Queensland. In the Fitzroy and Livingstone planning areas, population growth and household formation is anticipated to be above Rockhampton Regional Council, Fitzroy SD and Queensland.

Table 2-2 Population Projections, Rockhampton RC, Component Planning Areas, Gladstone RC, Mackay RC, Townsville CC, Central Highlands RC, Fitzroy SD and Queensland, 2010-2031

	2010	2011	2016	2021	2026	2031	Ave. Ann. Growth, 2010-31
Population							
Rockhampton RC	118,383	121,293	131,714	142,343	153,483	164,745	1.6%
Fitzroy planning area	13,024	13,530	15,500	17,157	18,958	20,812	2.3%
Livingstone planning area	35,156	36,393	41,060	46,399	52,310	58,356	2.4%
Mount Morgan planning area	3,377	3,435	3,575	3,706	3,837	3,954	0.8%
Rockhampton planning area	66,826	67,935	71,578	75,080	78,378	81,622	1.0%
Gladstone RC	61,167	63,120	70,927	79,102	88,265	98,041	2.3%
Mackay RC	121,767	125,669	144,463	158,529	166,958	172,993	1.7%
Townsville CC	185,810	191,329	218,660	239,619	255,986	270,500	1.8%
Central Highlands RC	31,493	32,359	35,765	39,264	43,053	46,872	1.9%
Fitzroy SD	230,119	236,502	262,398	290,023	320,467	352,657	2.1%
Queensland	4,560,356	4,685,905	5,295,688	5,888,143	6,461,931	7,035,708	2.1%
Households							
Rockhampton RC	44,727	46,020	50,507	55,171	60,137	65,117	1.8%
Fitzroy planning area	4,718	4,939	5,769	6,513	7,342	8,194	2.7%
Livingstone planning area	13,331	13,884	15,906	18,256	20,909	23,626	2.8%
Mount Morgan planning area	1,459	1,487	1,552	1,615	1,678	1,734	0.8%
Rockhampton planning area	25,236	25,746	27,368	28,966	30,513	32,009	1.1%



	2010	2011	2016	2021	2026	2031	Ave. Ann. Growth, 2010-31
Gladstone RC	22,790	23,672	27,044	30,674	34,818	39,217	2.6%
Mackay RC	45,358	47,120	55,075	61,467	65,857	69,197	2.0%
Townsville CC	68,586	71,096	82,635	92,123	100,150	107,341	2.2%
Central Highlands RC	10,653	11,016	12,372	13,806	15,391	16,983	2.2%
Fitzroy SD	84,567	87,374	98,248	110,075	123,314	137,221	2.3%
Queensland	1,744,293	1,799,159	2,052,887	2,304,772	2,554,230	2,803,071	2.3%
Average Household Size							
Rockhampton RC	2.65	2.64	2.61	2.58	2.55	2.53	-
Fitzroy planning area	2.76	2.74	2.69	2.63	2.58	2.54	-
Livingstone planning area	2.64	2.62	2.58	2.54	2.50	2.47	-
Mount Morgan planning area	2.31	2.31	2.30	2.29	2.29	2.28	-
Rockhampton planning area	2.65	2.64	2.62	2.59	2.57	2.55	-
Gladstone RC	2.68	2.67	2.62	2.58	2.54	2.50	-
Mackay RC	2.68	2.67	2.62	2.58	2.54	2.50	-
Townsville CC	2.71	2.69	2.65	2.60	2.56	2.52	-
Central Highlands RC	2.96	2.94	2.89	2.84	2.80	2.76	-
Fitzroy SD	2.72	2.71	2.67	2.63	2.60	2.57	-
Queensland	2.61	2.60	2.58	2.55	2.53	2.51	-

Source: DIP (2008a), Economic Associates estimates

2.1.2 Socio-economic Overview-Summary

Key findings from the comparison of socio-economic profiles of the above regional council areas included:

- Historical population growth within the Rockhampton region was less than the state average and competitor regions;
- The average age within the Rockhampton region was higher than the state average and that of the competitor regions;
- Average household size was broadly consistent with the state average and all competitor regions, except Central Highlands;
- Household income within the Rockhampton region was below the state average and competitor regions;
- The Rockhampton region has traditionally experienced lower levels of labour force participation and higher levels of unemployment than the state average and competitor regions;
- The incidence of post school qualification within the Rockhampton region was below the state average, but generally above that in competitor regions; and
- Projected population growth for the Rockhampton region is below projected growth rates for Queensland and competitor regions.

2.2 Labour Market Overview

2.2.1 Labour Force Size

In 1996, there were an estimated 42,028 persons in the labour force in Rockhampton Regional Council, the majority of which were in the Rockhampton planning area (26,733 persons) and the Livingstone planning area (10,247 persons). In 2009, the labour force size in Rockhampton Regional Council increased to 58,276 persons, including:

- 6,266 persons in the Fitzroy planning area;
- 16,188 persons in the Livingstone planning area;
- 1,112 persons in the Mount Morgan planning area; and
- 34,711 persons in the Rockhampton planning area.

Table 2-3 Labour Force Size, 1996-2009

	1996	2001	2006	2007	2008	2009
Rockhampton RC	42,028	43,086	46,027	55,351	56,247	58,276
Fitzroy planning area	4,247	4,384	4,731	5,838	6,048	6,266
Livingstone planning area	10,247	11,154	12,729	14,588	15,624	16,188
Mount Morgan planning area	801	793	838	1,086	1,074	1,112
Rockhampton planning area	26,733	26,755	27,729	34,108	33,502	34,711

	1996	2001	2006	2007	2008	2009
Gladstone RC	21,404	22,035	25,418	28,519	30,609	31,744
Mackay RC	39,930	41,599	49,354	55,946	60,662	62,854
Townsville CC	64,416	72,155	80,262	88,113	97,727	100,343
Central Highlands RC	13,953	13,741	16,397	17,013	17,549	18,186
Fitzroy SD	83,239	84,846	94,143	108,341	111,367	115,393
Queensland	1,572,385	1,709,612	1,932,352	2,237,987	2,292,384	2,354,420

Source: ABS (2006), DEWR (Various Years)

2.2.2 Unemployment Rate

The unemployment rate in Rockhampton Regional Council decreased from 10.8% in 1996 to 3.9% in 2007, before increasing to 7.1% in 2009. In 2009, the unemployment rate in Rockhampton Regional Council was above the Queensland unemployment rate (5.4%). Within Rockhampton Regional Council, the unemployment rate was significantly higher in the Mount Morgan planning area (23.5% in 2009) than in the Fitzroy, Livingstone and Rockhampton planning areas (4.4%, 6.0% and 7.7% in 2009 respectively). All of the regions recorded an increase in the unemployment rate between 2007 and 2009 with the Mount Morgan planning area recording the largest increase (10.3 percentage points).

In 2009, Rockhampton Regional Council recorded a higher unemployment rate than the other regional councils analysed, Fitzroy SD and Queensland.

Table 2-4 below summarises the unemployment rates in Rockhampton Regional Council between 1996 and 2009.

Table 2-4 Unemployment Rate, 1996-2009

	1996	2001	2006	2007	2008	2009
Rockhampton RC	10.8%	9.1%	5.4%	3.9%	5.6%	7.1%
Fitzroy planning area	8.8%	6.9%	4.0%	1.9%	3.2%	4.4%
Livingstone planning area	11.2%	8.6%	4.5%	3.5%	4.3%	6.0%
Mount Morgan planning area	23.1%	23.7%	15.0%	13.2%	21.5%	23.5%
Rockhampton planning area	10.6%	9.3%	5.7%	4.1%	6.1%	7.6%
Gladstone RC	10.2%	9.4%	5.4%	3.1%	4.2%	5.6%
Mackay RC	8.5%	8.5%	3.9%	2.6%	3.1%	4.4%
Townsville CC	9.4%	8.5%	4.5%	3.7%	2.7%	3.7%
Central Highlands RC	4.2%	4.5%	2.3%	1.4%	1.9%	2.7%



	1996	2001	2006	2007	2008	2009
Fitzroy SD	9.1%	8.0%	4.5%	3.1%	4.5%	5.8%
Queensland	9.6%	8.2%	4.7%	3.8%	3.7%	5.4%

Source: ABS (2006), DEWR (Various Years)

2.3 Enterprise Activity

2.3.1 Fitzroy Planning Area

In 2007, there were an estimated 864 registered businesses in the Fitzroy planning area including 345 agriculture, forestry and fishing businesses and 144 construction businesses. Over half of the total businesses in the Fitzroy planning area were non-employing businesses (sole traders) while 24.7% employed between one and four persons.

Industries that typically utilize industrial land include:

- ▶ Manufacturing;
- ▶ Wholesale trade; and
- ▶ Transport and storage.

Within industrial sectors there were 27 manufacturing businesses, nine wholesale trade businesses and 105 transport and storage businesses.

Table 2-5 summarises the incidence of employment by industry by number of employees in the Fitzroy planning area.

Table 2-5 Incidence of Employment by Industry by Number of Employees, Fitzroy Planning Area, June 2007

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Agriculture Forestry & Fishing	86.1%	11.3%	1.7%	0.9%	0.0%	0.0%	0.0%	345
Mining	0.0%	80.0%	20.0%	0.0%	0.0%	0.0%	0.0%	15
Manufacturing	33.3%	33.3%	33.3%	0.0%	0.0%	0.0%	0.0%	27
Electricity Gas & Water Supply	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Construction	56.3%	31.3%	12.5%	0.0%	0.0%	0.0%	0.0%	144
Wholesale Trade	33.3%	33.3%	33.3%	0.0%	0.0%	0.0%	0.0%	9
Retail Trade	29.6%	37.0%	25.9%	3.7%	0.0%	3.7%	0.0%	81
Accommodation Cafes & Restaurants	33.3%	33.3%	33.3%	0.0%	0.0%	0.0%	0.0%	9

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Transport & Storage	54.3%	34.3%	8.6%	0.0%	2.9%	0.0%	0.0%	105
Communication Services	0.0%	33.3%	0.0%	33.3%	33.3%	0.0%	0.0%	9
Finance & Insurance	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12
Property & Business Services	54.2%	37.5%	8.3%	0.0%	0.0%	0.0%	0.0%	72
Education	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Health & Community Services	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6
Cultural & Recreational Services	75.0%	0.0%	25.0%	0.0%	0.0%	0.0%	0.0%	24
Personal & Other Services	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6
Total	63.5%	24.7%	9.7%	1.0%	0.7%	0.3%	0.0%	864

Source: ABS (2007)

2.3.2 Livingstone Planning Area

There were an estimated 2,385 registered businesses in the Livingstone planning area in 2007 (see **Table 2-6**). The most common business types were agriculture, forestry and fishing (528 businesses), property and business services (492 businesses) and construction (489 businesses). The majority of businesses in the Livingstone planning area were sole traders (56.2%) and businesses employing between one and four employees (27.4%).

Within industrial sectors there were 90 manufacturing businesses, 45 wholesale trade businesses and 135 transport and storage businesses.

Table 2-6 Incidence of Employment by Industry by Number of Employees, Livingstone Planning Area, June 2007

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Agriculture Forestry & Fishing	75.6%	14.8%	8.5%	0.6%	0.6%	0.0%	0.0%	528
Mining	25.0%	50.0%	25.0%	0.0%	0.0%	0.0%	0.0%	12
Manufacturing	50.0%	23.3%	23.3%	0.0%	0.0%	3.3%	0.0%	90
Electricity Gas & Water Supply	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Construction	47.9%	33.1%	17.2%	1.2%	0.0%	0.0%	0.6%	489
Wholesale Trade	40.0%	26.7%	33.3%	0.0%	0.0%	0.0%	0.0%	45
Retail Trade	39.7%	32.9%	19.2%	5.5%	2.7%	0.0%	0.0%	219
Accommodation Cafes & Restaurants	36.7%	30.0%	33.3%	0.0%	0.0%	0.0%	0.0%	90
Transport & Storage	53.3%	37.8%	6.7%	2.2%	0.0%	0.0%	0.0%	135
Communication Services	40.0%	60.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15
Finance & Insurance	61.5%	26.9%	7.7%	3.8%	0.0%	0.0%	0.0%	78
Property & Business Services	59.8%	26.8%	9.8%	3.7%	0.0%	0.0%	0.0%	492
Education	60.0%	40.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15
Health & Community Services	55.2%	34.5%	6.9%	3.4%	0.0%	0.0%	0.0%	87
Cultural & Recreational Services	57.1%	28.6%	14.3%	0.0%	0.0%	0.0%	0.0%	42
Personal & Other Services	43.8%	31.3%	25.0%	0.0%	0.0%	0.0%	0.0%	48
Total	56.2%	27.4%	13.7%	2.0%	0.4%	0.1%	0.1%	2,385

Source: ABS (2007)

2.3.3 Mount Morgan Planning Area

In 2007, there were an estimated 93 businesses in the Mount Morgan planning area with agriculture, forestry and fishing accounting for approximately a third of all businesses. Sole traders accounted for 58.1% of businesses while businesses employing between one and four persons accounted for 29.0%. In 2007, there were nine transport and storage businesses in the Mount Morgan planning area. **Table 2-7** summarises the incidence of employment by industry by number of employees in the Mount Morgan planning area.

Table 2-7 Incidence of Employment by Industry by Number of Employees, Mount Morgan Planning Area, June 2007

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Agriculture Forestry & Fishing	72.7%	0.0%	9.1%	18.2%	0.0%	0.0%	0.0%	33

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Mining	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Electricity Gas & Water Supply	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Construction	66.7%	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%	18
Wholesale Trade	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Retail Trade	25.0%	50.0%	25.0%	0.0%	0.0%	0.0%	0.0%	12
Accommodation Cafes & Restaurants	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3
Transport & Storage	33.3%	66.7%	0.0%	0.0%	0.0%	0.0%	0.0%	9
Communication Services	0.0%	100.0 %	0.0%	0.0%	0.0%	0.0%	0.0%	3
Finance & Insurance	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Property & Business Services	75.0%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12
Education	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Health & Community Services	0.0%	100.0 %	0.0%	0.0%	0.0%	0.0%	0.0%	3
Cultural & Recreational Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Personal & Other Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Total	58.1%	29.0%	6.5%	6.5%	0.0%	0.0%	0.0%	93

Source: ABS (2007)

2.3.4 Rockhampton Planning Area

There were an estimated 3,933 registered businesses in the Rockhampton planning area in 2007. The most common business types were property and business services (879 businesses), retail trade (621 businesses) and construction (618 businesses). In 2007, there were three finance and insurance and three health care and community services businesses employing over 200 persons in the Rockhampton planning area. The majority of businesses in the Rockhampton planning area were sole traders (51.6%) or small businesses (with less than 20 employees).

Within industrial sectors there were 156 manufacturing businesses, 156 wholesale trade businesses and 255 transport and storage businesses.

Table 2-8 summarises the incidence of employment by industry by number of employees in the Rockhampton planning area.



Table 2-8 Incidence of Employment by Industry by Number of Employees, Rockhampton Planning Area, June 2007

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Agriculture Forestry & Fishing	80.4%	16.5%	2.1%	0.0%	1.0%	0.0%	0.0%	291
Mining	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3
Manufacturing	48.1%	23.1%	15.4%	11.5%	1.9%	0.0%	0.0%	156
Electricity Gas & Water Supply	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Construction	53.9%	30.1%	11.7%	2.4%	1.5%	0.5%	0.0%	618
Wholesale Trade	23.1%	21.2%	42.3%	11.5%	1.9%	0.0%	0.0%	156
Retail Trade	30.9%	40.6%	21.7%	4.3%	1.4%	1.0%	0.0%	621
Accommodation Cafes & Restaurants	12.2%	28.6%	30.6%	22.4%	6.1%	0.0%	0.0%	147
Transport & Storage	78.8%	15.3%	3.5%	2.4%	0.0%	0.0%	0.0%	255
Communication Services	35.7%	57.1%	0.0%	7.1%	0.0%	0.0%	0.0%	42
Finance & Insurance	71.6%	20.5%	6.8%	0.0%	0.0%	0.0%	1.1%	264
Property & Business Services	62.1%	20.8%	14.3%	1.7%	0.7%	0.3%	0.0%	879
Education	53.3%	26.7%	13.3%	6.7%	0.0%	0.0%	0.0%	45
Health & Community Services	32.5%	36.4%	23.4%	3.9%	0.0%	2.6%	1.3%	231
Cultural & Recreational Services	50.0%	20.8%	20.8%	4.2%	4.2%	0.0%	0.0%	72
Personal & Other Services	35.3%	43.1%	21.6%	0.0%	0.0%	0.0%	0.0%	153
Total	51.6%	27.3%	15.5%	3.8%	1.1%	0.5%	0.2%	3,933

Source: ABS (2007)

2.3.5 Rockhampton Regional Council

In 2007, there were an estimated 7,281 businesses in Rockhampton Regional Council. The most common business types were property and business services (1,455 businesses), construction (1,269 businesses) and agriculture, forestry and fishing (1,197 businesses). Sole traders accounted for 54.6% of businesses in 2007 while businesses with between one and four employees accounted for 27.1%. Within the industry sectors, sole traders accounted for almost 80% of businesses in the agriculture, forestry and fishing industry.

Within industrial sectors there were 273 manufacturing, 210 wholesale trade and 504 transport and storage businesses. In 2007, there were three manufacturing businesses with between 100 and 199 employees.

Table 2-9 summarises the incidence of employment by industry by number of employees in Rockhampton Regional Council.

Table 2-9 Incidence of Employment by Industry by Number of Employees, Rockhampton Regional Council, June 2007

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Agriculture Forestry & Fishing	79.7%	13.8%	5.0%	1.0%	0.5%	0.0%	0.0%	1,197
Mining	20.0%	60.0%	20.0%	0.0%	0.0%	0.0%	0.0%	30
Manufacturing	47.3%	24.2%	19.8%	6.6%	1.1%	1.1%	0.0%	273
Electricity Gas & Water Supply	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Construction	52.0%	31.4%	13.7%	1.7%	0.7%	0.2%	0.2%	1,269
Wholesale Trade	27.1%	22.9%	40.0%	8.6%	1.4%	0.0%	0.0%	210
Retail Trade	32.8%	38.6%	21.5%	4.5%	1.6%	1.0%	0.0%	933
Accommodation Cafes & Restaurants	22.9%	28.9%	31.3%	13.3%	3.6%	0.0%	0.0%	249
Transport & Storage	66.1%	26.2%	5.4%	1.8%	0.6%	0.0%	0.0%	504
Communication Services	30.4%	56.5%	0.0%	8.7%	4.3%	0.0%	0.0%	69
Finance & Insurance	70.3%	21.2%	6.8%	0.8%	0.0%	0.0%	0.8%	354
Property & Business Services	61.0%	23.7%	12.4%	2.3%	0.4%	0.2%	0.0%	1,455
Education	55.0%	30.0%	10.0%	5.0%	0.0%	0.0%	0.0%	60

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Health & Community Services	39.1%	35.5%	19.1%	3.6%	0.0%	1.8%	0.9%	330
Cultural & Recreational Services	56.8%	20.5%	18.2%	2.3%	2.3%	0.0%	0.0%	132
Personal & Other Services	36.1%	43.1%	20.8%	0.0%	0.0%	0.0%	0.0%	216
Total	54.6%	27.1%	14.1%	2.9%	0.8%	0.3%	0.1%	7,281

Source: ABS (2007)

2.3.6 Enterprise Activity within Competitor Regions

2.3.6.1 Gladstone Regional Council

In 2007, there were an estimated 4,023 businesses in Gladstone Regional Council. The most common business types were construction (783 businesses), property and business services (774 business) and agriculture, forestry and fishing (699 businesses). Sole traders accounted for 56.6% of businesses in 2007 while businesses with between one and four employees accounted for 25.5%. Within the industry sectors, sole traders accounted for over 80% of businesses in the agriculture, forestry and fishing industry.

Within the industrial sectors there were 225 manufacturing, 117 wholesale trade and 234 transport and storage businesses. In 2007, there were three manufacturing businesses with between 100 and 199 employees.

Table 2-10 summarises the incidence of employment by industry by number of employees in Gladstone Regional Council.

Table 2-10 Incidence of Employment by Industry by Number of Employees, Gladstone Regional Council, June 2007

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Agriculture Forestry & Fishing	81.1%	13.7%	4.7%	0.4%	0.0%	0.0%	0.0%	699
Mining	50.0%	33.3%	16.7%	0.0%	0.0%	0.0%	0.0%	18
Manufacturing	42.7%	17.3%	22.7%	13.3%	2.7%	1.3%	0.0%	225
Electricity Gas & Water	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Supply								
Construction	53.3%	33.7%	10.0%	1.5%	0.8%	0.4%	0.4%	783
Wholesale Trade	59.0%	20.5%	15.4%	2.6%	0.0%	0.0%	2.6%	117
Retail Trade	28.7%	35.9%	27.6%	5.0%	0.6%	1.7%	0.6%	543
Accommodation Cafes & Restaurants	22.0%	28.0%	24.0%	22.0%	0.0%	4.0%	0.0%	150
Transport & Storage	60.3%	26.9%	11.5%	1.3%	0.0%	0.0%	0.0%	234
Communication Services	71.4%	14.3%	14.3%	0.0%	0.0%	0.0%	0.0%	21
Finance & Insurance	77.4%	15.1%	7.5%	0.0%	0.0%	0.0%	0.0%	159
Property & Business Services	61.2%	24.0%	8.5%	5.4%	0.4%	0.0%	0.4%	774
Education	50.0%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	18
Health & Community Services	52.9%	26.5%	20.6%	0.0%	0.0%	0.0%	0.0%	102
Cultural & Recreational Services	66.7%	22.2%	0.0%	11.1%	0.0%	0.0%	0.0%	54
Personal & Other Services	61.0%	29.3%	9.8%	0.0%	0.0%	0.0%	0.0%	123
Total	56.6%	25.5%	12.7%	4.0%	0.4%	0.5%	0.3%	4,023

Source: ABS (2007)

2.3.6.2 Mackay Regional Council

In 2007, there were an estimated 9,636 businesses in Mackay Regional Council. The most common business types were agriculture, forestry and fishing (1,986 businesses), property and business services (1,803 businesses) and construction (1,758 businesses). Sole traders accounted for 55.7% of businesses in 2007 while businesses with between one and four employees accounted for 28.3%.

Within industrial sectors, there were 417 manufacturing, 288 wholesale trade and 561 transport and storage businesses. In 2007, there were nine manufacturing businesses and three transport and storage businesses with over 100 employees.

Table 2-11 summarises the incidence of employment by industry by number of employees in Mackay Regional Council.



Table 2-11 Incidence of Employment by Industry by Number of Employees, Mackay Regional Council, June 2007

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Agriculture Forestry & Fishing	73.9%	21.5%	3.9%	0.6%	0.2%	0.0%	0.0%	1,986
Mining	35.0%	55.0%	1.7%	3.3%	1.7%	1.7%	1.7%	180
Manufacturing	41.0%	36.0%	16.5%	2.9%	1.4%	1.4%	0.7%	417
Electricity Gas & Water Supply	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	3
Construction	53.6%	31.6%	10.8%	2.7%	0.9%	0.5%	0.0%	1,758
Wholesale Trade	36.5%	29.2%	13.5%	16.7%	4.2%	0.0%	0.0%	288
Retail Trade	31.6%	35.1%	23.9%	5.6%	2.9%	0.3%	0.6%	1,017
Accommodation Cafes & Restaurants	27.4%	20.0%	28.4%	15.8%	3.2%	4.2%	1.1%	285
Transport & Storage	55.6%	28.3%	11.8%	2.7%	1.1%	0.5%	0.0%	561
Communication Services	37.5%	45.8%	12.5%	4.2%	0.0%	0.0%	0.0%	72
Finance & Insurance	70.6%	22.5%	6.3%	0.0%	0.6%	0.0%	0.0%	480
Property & Business Services	65.1%	23.3%	9.2%	1.3%	0.7%	0.3%	0.2%	1,803
Education	52.9%	32.4%	5.9%	8.8%	0.0%	0.0%	0.0%	102
Health & Community Services	42.1%	35.5%	17.8%	3.7%	0.9%	0.0%	0.0%	321
Cultural & Recreational Services	44.1%	38.2%	11.8%	5.9%	0.0%	0.0%	0.0%	102
Personal & Other Services	50.6%	35.6%	13.8%	0.0%	0.0%	0.0%	0.0%	261
Total	55.7%	28.3%	11.3%	3.1%	1.1%	0.4%	0.2%	9,636

Source: ABS (2007)

2.3.6.3 Townsville City Council

In 2007, there were an estimated 1,986 businesses in Townsville City Council. The most common business types were construction (663 businesses), property and businesses services (285 businesses) and agriculture, forestry and fishing (225 businesses). Sole traders accounted for 60.9% of businesses in 2007 while businesses with between one and four employees accounted for 27.2%.

Within industrial sectors, there were 99 manufacturing, 36 wholesale trade and 192 transport and storage businesses. In 2007, there were no industrial businesses with over 50 employees.

Table 2-12 summarises the incidence of employment by industry by number of employees in Townsville City Council.

Table 2-12 Incidence of Employment by Industry by Number of Employees, Townsville City Council, June 2007

Industry	Non employing	Employing Businesses (% of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Agriculture Forestry & Fishing	70.7%	14.7%	9.3%	4.0%	0.0%	1.3%	0.0%	225
Mining	40.0%	20.0%	40.0%	0.0%	0.0%	0.0%	0.0%	15
Manufacturing	54.5%	33.3%	9.1%	3.0%	0.0%	0.0%	0.0%	99
Electricity Gas & Water Supply	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
Construction	53.4%	33.5%	11.3%	1.8%	0.0%	0.0%	0.0%	663
Wholesale Trade	66.7%	25.0%	8.3%	0.0%	0.0%	0.0%	0.0%	36
Retail Trade	57.4%	26.2%	13.1%	3.3%	0.0%	0.0%	0.0%	183
Accommodation Cafes & Restaurants	30.8%	61.5%	0.0%	7.7%	0.0%	0.0%	0.0%	39
Transport & Storage	62.5%	31.3%	6.3%	0.0%	0.0%	0.0%	0.0%	192
Communication Services	55.6%	44.4%	0.0%	0.0%	0.0%	0.0%	0.0%	27
Finance & Insurance	90.0%	0.0%	10.0%	0.0%	0.0%	0.0%	0.0%	30
Property & Business Services	72.6%	17.9%	7.4%	2.1%	0.0%	0.0%	0.0%	285
Education	75.0%	0.0%	25.0%	0.0%	0.0%	0.0%	0.0%	12
Health & Community Services	61.1%	27.8%	5.6%	5.6%	0.0%	0.0%	0.0%	54

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Cultural & Recreational Services	75.0%	25.0%	0.0%	0.0%	0.0%	0.0%	0.0%	36
Personal & Other Services	63.3%	23.3%	13.3%	0.0%	0.0%	0.0%	0.0%	90
Total	60.9%	27.2%	9.7%	2.1%	0.0%	0.2%	0.0%	1,986

Source: ABS (2007)

2.3.6.4 Central Highlands Regional Council

In 2007, there were an estimated 2,991 businesses in Central Highlands Regional Council. The most common business types were agriculture, forestry and fishing (1,185 businesses), property and business services (417 businesses) and construction (339 businesses). Sole traders accounted for 58.8% of businesses in 2007 while businesses with between one and four employees accounted for 24.2%.

Within industrial sectors, there were 123 manufacturing, 81 wholesale trade and 132 transport and storage businesses. In 2007, there were three wholesale trade businesses with over 200 employees.

Table 2-13 summarises the incidence of employment by industry by number of employees in Central Highlands Regional Council.

Table 2-13 Incidence of Employment by Industry by Number of Employees, Central Highlands Regional Council, June 2007

Industry	Non employing	Employing Businesses (%. of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Agriculture Forestry & Fishing	71.6%	18.7%	8.9%	0.5%	0.0%	0.3%	0.0%	1,185
Mining	35.7%	50.0%	7.1%	0.0%	3.6%	0.0%	3.6%	84
Manufacturing	43.9%	39.0%	14.6%	0.0%	2.4%	0.0%	0.0%	123
Electricity Gas & Water Supply	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3
Construction	49.6%	31.9%	12.4%	4.4%	0.9%	0.9%	0.0%	339
Wholesale Trade	40.7%	29.6%	22.2%	3.7%	0.0%	0.0%	3.7%	81
Retail Trade	35.3%	24.7%	27.1%	8.2%	2.4%	2.4%	0.0%	255
Accommodation	25.0%	28.1%	25.0%	9.4%	9.4%	3.1%	0.0%	96

Industry	Non employing	Employing Businesses (% of total employment by industry)						Total
		1-4	5-19	20-49	50-99	100-199	200+	
Cafes & Restaurants								
Transport & Storage	50.0%	22.7%	20.5%	6.8%	0.0%	0.0%	0.0%	132
Communication Services	60.0%	30.0%	10.0%	0.0%	0.0%	0.0%	0.0%	30
Finance & Insurance	83.3%	13.3%	3.3%	0.0%	0.0%	0.0%	0.0%	90
Property & Business Services	63.3%	23.7%	10.8%	1.4%	0.0%	0.0%	0.7%	417
Education	33.3%	66.7%	0.0%	0.0%	0.0%	0.0%	0.0%	9
Health & Community Services	52.6%	21.1%	26.3%	0.0%	0.0%	0.0%	0.0%	57
Cultural & Recreational Services	66.7%	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%	27
Personal & Other Services	52.4%	19.0%	23.8%	4.8%	0.0%	0.0%	0.0%	63
Total	58.8%	24.2%	13.0%	2.4%	0.8%	0.5%	0.3%	2,991

Source: ABS (2007)

2.3.7 Summary: Enterprise Activity

Rockhampton Regional Council shares the same dominant industries in terms of number of business as the other analysed regional councils, these being:

- Agriculture, forestry and fishing;
- Construction;
- Retail trade;
- Transport and storage; and
- Property and business services.

Rockhampton Regional Council had a significantly lower proportion of agriculture, forestry and fishing businesses (16.4%) than Central Highlands Regional Council (39.6%). A lower proportion of construction and agriculture, forestry and fishing businesses was recorded in Rockhampton Regional Council compared to Townsville City Council.

Sole traders were less prevalent in Rockhampton Regional Council (54.6%) than in Townsville City Council (60.9%) and Central Highlands Regional Council (58.8%). Marginally more businesses



ECONOMIC ASSOCIATES

employing one to 20 employees were recorded in Rockhampton Regional Council (41.2%) than the other analysed regional councils.

3. Rockhampton Regional Overview

This section of the report provides an overview of the major projects completed, under construction, committed and under investigation within Rockhampton Regional Council or its hinterland. In addition, a summary of the major coal projects within the Central West Statistical Division is provided. While Rockhampton Regional Council is not located within the Central West Statistical Division, it is anticipated to represent the major service centre for coal projects within this region. An overview of agricultural production activity in Rockhampton Regional Council is also provided in this section of the report.

3.1 Major Projects

3.1.1 Rockhampton Regional Council & Hinterland

There are approximately 18 major projects in Rockhampton Regional Council and its hinterland including \$256 million of completed projects, \$641 million of projects under construction, \$4,000 million of committed projects and \$2,116 million of projects under investigation. In Rockhampton Regional Council, energy, rail and water projects accounted for two thirds of projects. Major coal mine projects are outlined in the subsequent section of this report.

Significant projects within Rockhampton Regional Council and its hinterland include the Gladstone Pacific Nickel Refinery and the ZeroGen Clean Coal Power Station Project. The Gladstone Pacific Nickel Refinery will process ore from Gladstone Pacific Nickel Limited's two mine sites located at Marlborough and New Caledonia. Stage 1 will produce 60,000 tonnes of nickel and 6,000 tonnes of cobalt per year. During the first few years of operation, rail will transport ore from Marlborough to Gladstone but, later, a dedicated 175km ore slurry pipeline will transport the ore. The environmental impact assessment was approved by the Queensland State Government in January 2009 and the Federal Government of Australia in May 2009. The project has an estimated cost of \$4 billion.

The ZeroGen Clean Coal Power Station Project includes the construction and operation of a commercial power generation facility that would generate 530 megawatts (gross) of low-emission baseload electricity. ZeroGen will integrate the technologies of Integrated Gasification Combined Cycle (IGCC) with Carbon Capture and Storage (CCS) to produce the low-emission baseload electricity. The project has a planned deployment date of late 2015 and will potentially capture and store up to 90% of CO₂ for full sequestration. Stage one of the project has an estimated cost of \$1.7 billion. ZeroGen's prefeasibility study was completed in July 2010.

There are also a number of rail projects within Rockhampton Regional Council and its hinterland that are currently completed or under construction, including:

- ▶ 12 and 16 Cylinder Loco Overhauls (under construction), estimated cost of \$80 million;
- ▶ Electric Loco Upgrade Program (under construction), estimated cost of \$172 million;
- ▶ Stanwell to Wycarbah Duplication (Gracemere to Wycarbah Duplication) (completed), estimated cost of \$72 million; and
- ▶ Westwood to Wycarbah Duplication (completed) estimated cost of \$32 million.

Table 3-1 below summarises the major projects within Rockhampton Regional Council.



Table 3-1 Projects within Rockhampton Regional Council, 2008

Project	Location	Est. Cost	Developer	Timetable	Details
Completed Projects					
Stanwell to Wycarbah Duplication (Gracemere to Wycarbah Duplication) (QLD Government Project)	Blackwater System	\$72M	Queensland Rail	Started in March 2005 and completed in 2009	The project included the duplication of track between Stanwell and Wycarbah.
Westwood to Wycarbah Duplication (QLD Government Project)	Blackwater System	\$32M	Queensland Rail	Started in December 2004 and completed in August 2008	The project included the duplication of track between Westwood and Wycarbah in the Blackwater System.
Bouldercombe to Pandion 132 kV Transmission Line and Pandion 132/66 kV Substation	Central Queensland	\$44.1M	Powerlink Queensland	Completed in 2009-10	The project included the construction of a new 132kV transmission line between the existing Bouldercome Substation and a new substation at Pandion to help reinforce high voltage electricity supply to the Rockhampton area.
Yeppoon Pipeline	Fitzroy River Barrage to Capricorn Coast	\$50M	Rockhampton Regional Council	Started in early 2008 and completed in December 2009	The project involved the construction of a pipeline to extract water from the Fitzroy River and pipe it to the Capricorn Coast to help meet water demand in the region. Rockhampton Regional Council is responsible for the construction of the 33km water pipeline to supply water to urban users on the Capricorn Coast. Construction of the pipeline will also have significant environmental benefits as it will remove the need to extract water supplies from the Sandy Creek Coastal dune system.
LINK Program	Townsville/Rockhampton	\$58M	Ergon Energy	Control centre infrastructure project completed in early 2007. System	The project involved the improvement to the electricity network monitoring



Project	Location	Est. Cost	Developer	Timetable	Details
				Control and Data Acquisition (SCADA) master station commissioned June 2007	and response capability - including the construction of two new control centres to operate a new network control system.
Projects Under Construction					
Rockhampton Hospital Improvement Project (QLD Government Project)	Rockhampton	\$74M	Queensland Health	Construction has been started with expected completion in late 2010	The project includes: - demolishing the old nurses' quarters and blood bank buildings; - constructing a five-storey extension to the clinical services building to allow for the relocation and expansion of accident and emergency on ground, relocation and expansion of maternity and paediatrics to level 2, future expansion on level 4 and a new plant room on level 5 - construction of a number of separate buildings: one for the blood bank, one for a rehabilitation ward with a training centre below, and various factory made administration offices; - new service lifts; and - relocating and refurbishing various clinical and support spaces within the existing buildings.
12 and 16 Cylinder Loco Overhauls (QLD Government Project)	Rockhampton	\$80M	Queensland Rail	Started in November 2006 to be completed in 2011-12	The project involves the overhaul of Queensland Rail's 12 and 16 Cylinder Loco Fleets.
Electric Loco Upgrade Program (QLD Government Project)	Maryborough and Rockhampton	\$172M	Queensland Rail	Started in September 2006 to be completed in 2010-11	The project involves the overhaul of 18 x 3,900 electro locos, 50 x 3,500/3,600 electro locos and 11 x 3,900 class freight locomotives, as well as distributed power systems for all coal



Project	Location	Est. Cost	Developer	Timetable	Details
					electro locos.
Gracemere Shopping World	Gracemere	\$30M	McConaghy Group	Started in late 2008 and expected to be completed in 2009-10	The projects involves a shopping centre development with a gross lease area of 5,617sqm including one major tenancy (supermarket), approximately 30 minor tenancies, an internal kiosk and parking for 308 cars.
North Rockhampton (Berserker Substation)	Rockhampton	\$35M	Ergon Energy	Expected to be completed in June 2009	The project includes the construction of a new zone substation to boost the electricity supply to north Rockhampton
Seaspray	Coconut Point Drive, Zilzie	\$200M	Seaspray Project Management Pty Ltd	17 resort units were completed in December 2008 with 32 more to be built in 2009. Total development completion due in 2015	The project includes a staged, master-planned community. Facilities now operating include a recreation club (opened in June 2008), restaurant with seating for 250 people, a gymnasium with more than 300 members, and a family medical practice. A pharmacy is yet to be completed.
Fitzroy River to Capricorn Coast Water Supply Pipeline	Rockhampton to Yeppoon	\$50M	Rockhampton Regional Council	Completion in 2009-10	The project includes the construction of a 36km pipeline to supply water from the Fitzroy River to the Capricorn Coast. The project includes the construction of two reservoirs and two pump stations.
Committed Projects					
Gladstone Pacific Nickel Refinery	Gladstone	\$4,000M	Gladstone Pacific Nickel Limited (GPNL)	Construction of Stage 1 in 2009, Stage one operational in 2012 Stage 2 in 2015	The Gladstone Pacific Project is a Greenfield project. The Gladstone refinery will process ore from Gladstone Pacific Nickel Limited's two mine sites located at Marlborough and New Caledonia. Stage 1 will produce 60,000 tonnes of nickel and 6,000 tonnes of cobalt per year. During the



Project	Location	Est. Cost	Developer	Timetable	Details
					first few years of operation, rail will transport ore from Marlborough to Gladstone but, later, a dedicated 175km ore slurry pipeline will transport the ore.
Projects Under Investigation					
Rookwood Weir and Eden Bann Weir	Near Rockhampton	\$72M	Lower Fitzroy Water Joint Venture (comprising Rockhampton Regional Council, Gladstone Water Board and Sunwater)	Target feasibility date 2009-11 possible completion of construction 2010-12	The proposed Lower Fitzroy Water Joint Venture has responsibility for investigating the Rookwood Weir and Eden Bann Weir raising projects.
ZeroGen Clean Coal Power Station Project	Stanwell and Emerald-Springsure, Central Queensland	\$1,700M	ZeroGen Pty Ltd (for the QLD Government)	Environmental impact statement approve 2009 with construction to start in 2010 and commissioning in 2012. Depending on results from Stage 1, Stage 2 may start operation by 2017	The ZeroGen project will lead the development of integrated gasification combined cycle (IGCC) with carbon capture and storage (CCS) in Australia. It will provide deep cuts in greenhouse gas emissions from base-load, coal-fired power generation. Stage 1 of the project involves an 80-MW net IGCC with CCS power plant demonstrating up to 75% capture of carbon. Stage 1 of the project will capture and store up to 500,000 tonnes per year of carbon dioxide, and demonstrate safe and secure storage in geological formations in the Northern Denison Trough. Stage 2 includes a commercial-scale IGCC with CCS power plant (approaching 300MW net) demonstrating up to 90% capture of carbon. Stage 2 of the project will capture and store approximately 2 million tonnes per



Project	Location	Est. Cost	Developer	Timetable	Details
					year of carbon dioxide. The location of Stage 2 will depend of a commercial project development process.
Galilee Coal Project (Hancock)	Galilee Coal Basin, Central Queensland	not available	Hancock Prospecting Pty Ltd	not available	The project includes the establishment of a mine in the Galilee Coal Basin, Central Queensland, to provide thermal coal to international export markets. A new rail connection will be required to deliver the product to the coast for export.
Galilee Coal Project (Waratah)	38km north-west of Alpha	not available	Waratah Coal Inc.	Construction in 2010 with coal exports in 2012	The project involves the construction of a coal mine near Alpha, a new coal export terminal and a 500km, interconnecting rail line. The initial export target is 25 Mt per year.
Gladstone - Fitzroy Pipeline	115km pipeline linking Fitzroy River to Gladstone	\$345M	Gladstone Area Water Board	Target feasibility date 2009-11 possible completion of construction 2011-12	This project involves developing a pipeline from the Fitzroy River to the Gladstone Region to provide a more reliable supply to meet demand growth. The Gladstone Area Water Board will undertake all the necessary studies and investigations, design, procurement and construction planning development of a business case.

Source: DIP (2008b)

3.1.2 Major Existing and New Coal Projects – Rockhampton Regional Council & Hinterland

Major mine projects identified within this section are those that are likely to more directly influence economic outcomes in the Rockhampton region. This area generally relates to the Capricorn Highway Corridor between Rockhampton and Barcladine. There are likely to be a number of existing mines or proposed projects outside this corridor that may also provide stimulus to the Rockhampton region, but would have greater impacts elsewhere. There are approximately 18 existing coal mine projects within Central West with an expected production of 88 million tonnes of coal per annum and an estimated 8,785 jobs created.

Significant projects within Central West include the Blackwater BHP Billiton Mitsubishi Alliance (BMA) Coal mine, the Callide/Boundary Hill Anglo American Met Coal mine, the Rolleston Xstrata Coal Queensland Mine and the Dawson Anglo American Met Coal Mine. The Blackwater BMA mine is located at Blackwater and is an open cut mine with an expected production of 10.5 million tonnes of coking and thermal coal per year. An estimated 1,570 jobs will be created from its operation with a mine life to beyond 2040.

The Callide/Boundary Hill Anglo American Met Coal mine is located in Biloela and is an open cut mine with an expected production of 9.1 million tonnes of coking and thermal coal per year. The mine life of the project is anticipated to be beyond 2030 with 520 jobs created from its operation.

The Rolleston Xstrata Coal Queensland mine is located at Rolleston with the open cut mine having an expected production of 7.2 million tonnes of thermal coal per year. The mine life spans to beyond 2025 with 310 jobs created from its operation.

The Dawson Anglo American Met Coal mines, located at Moura, will process coking and thermal coal from three mine sites at Dawson Central, Dawson North and Dawson South. Total production expected from these three sites is 6.9 million tonnes per year providing an estimated 1,300 jobs over the mine life to beyond 2025.

Table 3-2 below summarises the existing major coal projects within Central West.

Table 3-3 summarises the new major coal projects within Central West.

Table 3-2 Central West Existing Coal Mine Projects

Site Name	Company	Type	Town	Production (Mtpa)	EML	Employment	Coal Type
Baralaba	Cockatoo Coal Ltd	O	Baralaba	0.4	2013	70	C, T
Blackwater	BMA	O	Blackwater	10.5	>2040	1,570	T
Callide/Boundary Hill	Anglo American Met Coal	O	Biloela	9.1	>2030	520	C, T
Cook	Caledon Resources PLC	U	Blackwater	0.5	>2020	175	C, T
Crinum	BMA	U	Tieri	3.9	2025	490	C
Curragh	Wesfarmers	O	Blackwater	6.6	>2020	1,530	C, T

Site Name	Company	Type	Town	Production (Mtpa)	EML	Employment	Coal Type
	Ltd						
Curragh North	Wesfarmers Ltd	O	Blackwater	3	>2030	1,530	C, T
Dawson Central	Anglo American Met Coal	O	Moura	6.9	>2025	1,300	C, T
Dawson North	Anglo American Met Coal	O	Moura	6.9	>2025	1,300	C, T
Dawson South	Anglo American Met Coal	O	Moura	6.9	>2025	1,300	C
Ensham	Ensham Resources Ltd	O	Emerald	6.5	>2030	600	C
Gregory	BMA	O	Tieri	1.5	2012	225	T, PCI
Jellinbah East	Jellinbah Resources Ltd	O	Blackwater	4.3	>2020	380	C, T
Kestrel	Rio Tinto Coal Aust.	U	Tieri	4.3	>2030	515	T, PCI
Minerva	Yancoal Aust. Ltd	O	Springsure	2.6	>2020	240	C, T
Oaky Creek	Xstrata Coal Queensland	U	Tieri	5.6	2030	640	T
Rolleston	Xstrata Coal Queensland	O	Rolleston	7.2	>2025	310	T
Yarrabee	Yancoal Aust. Ltd	O	Blackwater	1.6	2025	220	PCI, T

Note: O= Open Cut, U= Underground, T= Thermal, C= Coking, PCI = Pulvarised Coal Injection
Source: DIP (2008b)

There are approximately 26 new coal mine projects within Central West totalling \$11,896 million in capital expenditure. It must be noted that many proposed new projects do not proceed past the Environmental Impact Statement (EIS) stage; therefore the list is just an indicative guide to possible projects.

Significant projects within Central West include the China First Waratah Coal Limited mine, the Alpha Hancock Coal mine, the Kevin's Corner Hancock Coal mine and the South Gaililee AMCI/Bandanna Energy Limited mine. The China First Waratah Coal mine is located in Alpha and is currently at the EIS stage with an expected start date of 2013. It is proposed to be both an open cut and underground mine with a Capex of \$3,180 million and production of 40 million tonnes of coal per year. Employment during construction is estimated to be 1,500 jobs with the same number also needed during the mines operating life.



The Alpha Hancock Coal mine, located in Alpha is currently at the Environmental Impact Assessment stage with the project anticipated to start in 2011. Its open cut operations have an expected production of 30 million tonnes coal per year, creating 1,500 jobs during construction and its operation life.

The Kevin's Corner Hancock Coal mine is also located at Alpha and currently undergoing the Environmental Impact Assessment stage with an expected project start date of 2014. The open cut and underground operations are estimated to produce 30 million tonnes of coal per year.

The South Galilee AMCI/Bandanna Energy mine is located at Alpha and is still in the early stages of progression. The proposed open cut and underground operations have an expected production of 20 million tonnes of coal per year whilst in operation.

Table 3-3 summarises the new major coal projects within Central West.



Table 3-3 Central West New Coal Mine Projects

Site	Company	Type	Town	Status	Start	Capex (\$M)	Production (Mtpa)	Construction Employment	Operating Employment
Arcadia	Bandanna Energy Ltd	U	Rolleston	Resource delineation	n.a.	n.a.	5	n.a.	n.a.
Alpha	Hancock Coal	O	Alpha	EIS in progress	2011		30	1,500	1,500
Arcturus	Bandanna Energy Ltd	O	Rolleston	Scoping Study	2013	n.a.	3	n.a.	n.a.
Athena	Yancoal Aust. Ltd	U	Springsure	Resource delineation	n.a.	n.a.	n.a.	n.a.	n.a.
Belvedere	Vale Australia Ltd	U	Moura	Pre-feasibility, ML application	2016	\$2,800	up to 7	500	500
Bluff	QCoal Ltd	U	Bluff	Resource delineation	n.a.	n.a.	n.a.	n.a.	n.a.
China First	Waratah Coal Ltd	O, U	Alpha	EIS in progress	2013	\$3,180	40	1,500	1,500
Dawson Valley North	Cockatoo Coal Ltd	O	Moura	Idle	n.a.	n.a.	n.a.	n.a.	n.a.
Ensham Undergroundl	Ensham Resources	U	Emerald	EIS completed	2012	\$166	1.7	200	140
Ensham Undergroundl	Ensham Resources	U	Emerald	EIS completed	2017	\$700	7	400	250
Humboldt	DJ Mining Ltd	U	Rolleston	Resource delineation	n.a.	n.a.	n.a.	n.a.	n.a.
Kennedy/ Blackwter Sth	BMA	O, UG	Rolleston	Scoping Study	2015	n.a.	n.a.	n.a.	n.a.
Kevin's Corner	Hancock Coal	O, U	Alpha	EIS in progress	2014	\$3,500	30		
North Alpha	Vale Australia Ltd	O, U	Alpha		n.a.	n.a.	n.a.	n.a.	n.a.
Rocklands	Rocklands Richfield Ltd	U	Rolleston	MDL application, Resource delineation	n.a.	n.a.	n.a.	n.a.	n.a.
South Galilee	AMCI/Bandanna	O, U	Alpha		n.a.	n.a.	20	n.a.	n.a.



Site	Company	Type	Town	Status	Start	Capex (\$M)	Production (Mtpa)	Construction Employment	Operating Employment
	Energy Ltd								
Springsure Creek	Bandanna Energy Ltd	U	Springsure	Resource delineation	2014	n.a.	4	400	350
Styx	Waratah Coal Ltd	U	Rockhampton	Idle	n.a.	n.a.	n.a.	n.a.	n.a.
Taraborah	Shinelia Holdings	U	Emerald	Resource delineation	n.a.	n.a.	n.a.	n.a.	n.a.
Togara North	Xstrata Coal Queensland	U	Comet	NTA pending, On-hold	2016	\$500	4	500	250
Togara South	BHP Billiton	U	Rolleston	Pre-feasibility, On-hold	n.a.	n.a.	4	n.a.	n.a.
Valeria	Rio Tinto Coal Aust Ltd	O	Capella	Idle	n.a.	n.a.	5	n.a.	n.a.
Washpool	Aquila Resources Ltd	O	Blackwater	Feasibility Study in progress	2013	\$400	1.6	300	200
West Rolleston	Macarthur Coal	O	Rolleston	Resource delineation	2015	n.a.	4	n.a.	n.a.
Wonbindi	Cockatoo Coal Ltd	O	Barabala	Pre-feasibility	2013	\$300	3.6	300	200
Yamala	Northern Energy Corp. Ltd	U	Comet	MDL application, Pre-feasibility in progress	2013	\$350	2	250	200

Note: O= Open Cut, U= Underground, T= Thermal, C= Coking, PCI = Pulverised Coal Injection
Source: DI P (2008b)



3.2 Agricultural Production

Agricultural production within the study area is reported here in the following categories:

- ▶ Horticulture;
- ▶ Cropping; and
- ▶ Livestock.

The agricultural production data is reported by quantity (e.g. hectares of production, tonnage, etc) and, where available, by value of production². Agricultural commodity tables are presented in **Appendix A**.

3.2.1 Horticulture

3.2.1.1 Nurseries, Cut Flowers and Cultivated Turf

In 2005-06, there were approximately 59 hectares of land in Rockhampton Regional Council occupied by nurseries, cut flowers and cultivated turf, including 31 hectares of cultivated turf and 27 hectares of land occupied by nurseries. Within Rockhampton Regional Council, the majority of land occupied by nurseries, cut flowers and cultivated turf was located in the Fitzroy planning area (14 hectares) and Livingstone planning area (44 hectares). In Rockhampton Regional Council, the area of land occupied by nurseries, cut flowers and cultivated turf accounted for only a small proportion of the Queensland production area (1.3%).

The value of nurseries, cut flowers and cultivated turf in Rockhampton Regional Council in 2005-06 was \$6.08 million, accounting for 97.7% and 2.0% of Fitzroy SD and Queensland production by value respectively.

3.2.1.2 Fruit (Area)

Fruit is not a significant commodity within Rockhampton Regional Council with limited or no land occupied by fruit in the planning areas. In Rockhampton Regional Council, the major fruit commodities in 2005-06 were other orchard fruit and plantation fruit, the majority of which was located within the Livingstone planning area. The number of other orchard fruit trees in the Livingstone planning area increased from 27,481 trees in 2000-01 to 218,574 trees in 2005-06, accounting for 8.4% of Queensland production area in 2005-06.

3.2.1.3 Fruit (Production)

The volume of plantation fruit produced in Rockhampton Regional Council increased from 13,140 tonnes in 2000-01 to 16,417 tonnes in 2005-06, accounting for almost all of Fitzroy SD production and 5.1% of Queensland production. Although other orchard fruit in the Livingstone planning area accounted for 8.4% of Queensland production area in 2005-06, it accounted for less than 1% of the volume produced. This may be due to the fact that the number of other orchard fruit trees increased significantly in the Livingstone planning area between 2000-01 and 2005-06 and may not have been fully developed and producing fruit by 2005-06.

² While quantities are reported for 2000-01 and 2005-06, value of production data is not available for 2000-01 and therefore only reported for 2005-06.



3.2.1.4 Fruit (Value)

The total value of fruit produced in Rockhampton Regional Council in 2005-06 was \$25.13 million, accounting for 2.8% of Queensland production by value. The value of other orchard fruit in the Livingstone planning area was \$15.62 million, accounting for 10.7% of Queensland production by value.

3.2.1.5 Vegetables for Human Consumption (Area)

Vegetables for human consumption is not a significant commodity within Rockhampton Regional Council with limited or no land occupied by vegetables in the Fitzroy, Livingstone, Mount Morgan and Rockhampton planning areas. In 2005-06, there were 307 hectares of land occupied by vegetables for human consumption commodities in Rockhampton Regional Council including 218 hectares in the Livingstone planning area. In 2005-06, there were 98 hectares of land occupied by sweet potatoes in the Livingstone planning area, accounting for 7.8% of the Queensland production area.

3.2.1.6 Vegetables for Human Consumption (Production)

The volume of vegetables produced for human consumption in Rockhampton Regional Council increased from 2,945 tonnes in 2000-01 to 6,170 tonnes in 2005-06, accounting for 41.3% of Fitzroy SD production but less than 1% of Queensland production. In Livingstone planning area, there were 3,902 tonnes of sweet potatoes produced in 2005-06, accounting for 11.2% of Queensland production.

3.2.1.7 Vegetables for Human Consumption (Value)

The total value of vegetables for human consumption in Rockhampton Regional Council in 2005-06 was \$2.43 million, accounting for less than 1% of Queensland production by value. Although sweet potatoes produced in Livingstone planning area accounted for 11.2% of Queensland production by value, they had a value of just \$4,058 in 2005-06.

3.2.2 Cropping

3.2.2.1 Crops

In 2005-06, crops were not a significant agricultural commodity in Rockhampton Regional Council and accounted for only a small proportion crops in Queensland. Within Rockhampton Regional Council hay was the most significant crop commodity occupying 1,620 hectares and producing 10,608 tonnes in 2005-06. The value of hay in Rockhampton Regional Council in 2005-06 was \$2.17 million accounting for 1.9% of the Queensland production by value.

3.2.3 Livestock

3.2.3.1 Livestock (Production)

In Rockhampton Regional Council, the most significant livestock commodity was meat cattle decreasing from 281,824 head in 2000-01 to 248,633 head in 2005-06, or 2.2% of Queensland production in 2005-06. Meat cattle within Rockhampton Regional Council included 107,945 head in the Fitzroy planning area, 135,034 head in the Livingstone planning area, 4,493 head in the Mount Morgan planning area and 1,161 head in the Rockhampton planning area. The sale of horses within Rockhampton Regional Council accounted for 23.2% of the sale of horses in Queensland in 2005-06.



3.2.3.2 Livestock Slaughtered (Value)

In 2005-06, the total value of slaughtered livestock in Rockhampton Regional Council was \$82.38 million, accounting for 2.0% of Queensland production by value, including:

- ▶ \$50.33 million in Fitzroy planning area;
- ▶ \$29.18 million in Livingstone planning area;
- ▶ \$2.41 million in Mount Morgan planning area; and
- ▶ \$0.46 million in Rockhampton planning area.

In all regions slaughtered cattle and calves accounted for the majority of the total value of slaughtered livestock.

3.2.3.3 Livestock Products (Value)

The total value of livestock products in 2005-06 was \$4.06 million in Rockhampton Regional Council accounting for 1.0% of Queensland production by value. In Rockhampton Regional Council, the most significant livestock product in terms of value was milk (\$2.26 million) accounting for over half of the total livestock products value.

3.2.4 Summary

Within Rockhampton Regional Council, the majority of land occupied by horticulture and cropping commodities is located in the Fitzroy and Livingstone planning areas. Only a small area of land in the Rockhampton planning area and no land in the Mount Morgan planning area is occupied by horticulture and cropping commodities. Livestock commodities are located within all of the component planning areas within Rockhampton Regional Council however, the value of livestock commodities in Rockhampton Regional Council does not contribute significantly to Queensland.

The value of horticulture, cropping and livestock commodities in Rockhampton Regional Council did not contribute significantly to Queensland production by value in 2005-06. The most significant commodities in Rockhampton Regional Council in 2005-06 were:

- ▶ Other orchard fruit;
- ▶ Plantation fruit;
- ▶ Sweet potatoes;
- ▶ Hay; and
- ▶ Meat cattle.

4. Industrial Futures Diagnostics

The purpose of the industrial futures diagnostics is to objectively assess potential opportunities for development of new and emerging industry sectors and the potential expansion or evolution of existing industry sectors by identifying the region's locational advantages, resources and capabilities.

The analysis identifies industry sectors in which the region possesses a competitive advantage and then identifies those sectors' supply chain and customer market sectors. Potential opportunities are identified by considering the opportunity for supply chain and customer market sectors to establish within the region.

4.1 Identification of Regionally Competitive Sectors

4.1.1 Shift – Share Analysis

Shift-share analysis looks at the changing mix of employment within a given region and indicates whether employment in each industry sector is shifting towards or away from the region.

Shift-share analysis has been conducted on the resident population for Rockhampton Regional Council between the 1996 and 2006 period³.

Between 1996 and 2006, employment within Rockhampton Regional Council has increased by 8,044 persons, with the increase higher in the 2001 to 2006 period, including:

- ▶ 663 persons in the Fitzroy planning area;
- ▶ 3,050 persons in the Livingstone planning area;
- ▶ 85 persons in the Mount Morgan planning area; and
- ▶ 1,867 persons in the Rockhampton planning area.

Within the Rockhampton Regional Council key sectors of growth in the 1996 to 2006 period were:

- ▶ Construction – increase of 1,337 persons or 22.1% of total growth;
- ▶ Health care and social assistance – increase of 882 persons or 14.6% of total growth;
- ▶ Retail trade – increase of 763 persons or 12.6% of total growth;
- ▶ Mining – increase of 703 persons or 11.6% of total growth; and
- ▶ Education and training – increase of 625 persons or 10.3% of total growth.

The agriculture, forestry and fishing, wholesale trade, information media and telecommunications, and financial and insurance services sectors recorded a decline in employment between 1996 and 2006. The financial and insurance services sector recorded an increase in employment between 2001 and 2006.

³ The shift-share analysis has been conducted for the resident population, rather than the working population given the relative availability of data from the 1996, 2001 and 2006 Censuses.

**Table 4-1 Shift-Share Analysis, Rockhampton Regional Council, 1996-2006**

	Fitzroy Planning Area		Livingstone Planning Area		Mount Morgan Planning Area		Rockhampton Planning Area		Rockhampton Regional Council	
	1996-06	2001-06	1996-06	2001-06	1996-06	2001-06	1996-06	2001-06	1996-06	2001-06
Agriculture, forestry & fishing	-5.4%	-8.1%	-2.7%	-5.8%	-4.7%	3.0%	-2.0%	-6.6%	-2.7%	-6.2%
Mining	16.6%	24.3%	10.7%	12.4%	4.7%	0.0%	11.6%	11.4%	11.6%	13.0%
Manufacturing	3.6%	-3.6%	5.6%	3.0%	20.0%	19.0%	13.5%	11.3%	8.5%	6.2%
Electricity, gas, water & waste services	2.1%	1.3%	4.9%	4.8%	3.5%	0.0%	11.4%	8.3%	7.0%	5.8%
Construction	15.1%	22.8%	20.7%	25.0%	43.5%	16.0%	25.2%	26.4%	22.1%	25.1%
Wholesale trade	1.7%	-8.3%	-1.5%	-4.1%	9.4%	1.0%	-6.9%	-17.9%	-3.0%	-10.3%
Retail trade	13.0%	3.0%	16.1%	15.6%	20.0%	21.0%	7.5%	15.8%	12.6%	14.5%
Accommodation & food services	3.5%	4.5%	3.5%	2.2%	15.3%	11.0%	5.4%	-3.0%	4.4%	0.4%
Transport, postal & warehousing	13.3%	9.1%	4.3%	1.2%	-1.2%	6.0%	7.2%	0.2%	6.3%	1.8%
Information media & telecommunications	-7.4%	-2.3%	-1.3%	-1.0%	-4.7%	-3.0%	-10.4%	-4.4%	-5.4%	-2.6%
Financial & insurance services	0.0%	3.0%	0.1%	0.9%	-3.5%	0.0%	-4.0%	0.9%	-1.5%	1.1%
Rental, hiring & real estate services	3.0%	3.8%	2.2%	3.4%	-2.4%	0.0%	1.9%	5.0%	2.1%	4.0%
Professional, scientific & technical services	0.9%	7.2%	3.6%	3.5%	0.0%	4.0%	-5.0%	1.3%	0.1%	3.0%
Administrative & support services	2.4%	3.8%	3.2%	0.4%	3.5%	8.0%	2.3%	-1.5%	2.8%	0.1%
Public administration & safety	18.1%	22.1%	3.7%	13.7%	-15.3%	5.0%	14.4%	16.4%	9.0%	15.6%
Education & training	3.3%	-4.5%	10.3%	8.0%	12.9%	4.0%	12.3%	10.5%	10.3%	7.6%
Health care & social assistance	9.7%	9.6%	12.4%	11.6%	12.9%	0.0%	19.1%	29.8%	14.6%	18.9%



	Fitzroy Planning Area		Livingstone Planning Area		Mount Morgan Planning Area		Rockhampton Planning Area		Rockhampton Regional Council	
	1996-06	2001-06	1996-06	2001-06	1996-06	2001-06	1996-06	2001-06	1996-06	2001-06
Arts & recreation services	0.0%	1.1%	0.6%	0.3%	-4.7%	-3.0%	1.3%	-1.4%	0.7%	-0.4%
Other services	6.5%	5.7%	2.8%	1.2%	1.2%	-1.0%	0.4%	-1.7%	2.3%	0.4%
Inadequately described/Not stated	0.2%	5.5%	0.9%	3.7%	-10.6%	9.0%	-5.5%	-0.9%	-1.7%	2.1%
Total	663	470	3,050	1,954	85	100	2,254	1,867	6,052	4,391

Source: ABS (2006), Economic Associates calculations



4.1.2 Location Quotient Analysis

Location quotient analysis compares the industry structure of the local economy to the industry structure of the reference economy to identify specialisations in the local economy. A location quotient exceeding one would suggest that the local economy is more concentrated in the industry sector than the reference economy.

As of the 2006 Census of Population and Housing, the most significant industries of employment in Rockhampton Regional Council were:

- Retail trade (12.8% of total employment);
- Health care and social assistance (12.5% of total employment); and
- Education and training (11.1% of total employment).

Retail trade, health care and social assistance and education and training all recorded a location quotient greater than one relative to Queensland.

Within Rockhampton Regional Council, industry sectors which accounted for a significant proportion of employment with a high location quotient relative to Queensland include:

- Agriculture, forestry and fishing:
 - Fitzroy planning area (20.0% of employment, LQ of 5.85 relative to Queensland);
 - Livingstone planning area (8.2% of employment, LQ of 2.40 relative to Queensland); and
 - Mount Morgan planning area (4.8% of employment, LQ of 1.39 relative to Queensland);
- Mining:
 - Mount Morgan planning area (4.5% of employment, LQ of 2.70 relative to Queensland);
- Electricity, gas, water and waste services:
 - Fitzroy planning area (10.4% of employment, LQ of 10.01 relative to Queensland); and
 - Rockhampton planning area (2.8% of employment, LQ of 2.72 relative to Queensland);
- Accommodation and food services:
 - Livingstone planning area (13.2% of employment, LQ of 1.89 relative to Queensland);
- Transport, postal and warehousing:
 - Fitzroy planning area (10.3% of employment, LQ of 2.04 relative to Queensland);
- Public administration and safety:
 - Livingstone planning area (7.7% of employment, LQ of 1.13 relative to Queensland); and
 - Mount Morgan planning area (8.8% of employment, LQ of 1.28 relative to Queensland).



Table 4-2 Location Quotient Analysis, Rockhampton Regional Council, 2006

	Employment by Industry						Location Quotient				
	Fitzroy Planning Area	Livingstone Planning Area	Mount Morgan Planning Area	Rockhampton Planning Area	Rockhampton Regional Council	Queensland	Fitzroy Planning Area	Livingstone Planning Area	Mount Morgan Planning Area	Rockhampton Planning Area	Rockhampton Regional Council
Agriculture, forestry & fishing	20.0%	8.2%	4.8%	0.4%	2.8%	3.4%	5.85	2.40	1.39	0.11	0.81
Mining	1.5%	1.1%	4.5%	0.5%	0.7%	1.7%	0.91	0.67	2.70	0.30	0.42
Manufacturing	8.9%	9.4%	2.3%	8.9%	9.0%	9.9%	0.89	0.94	0.23	0.90	0.90
Electricity, gas, water & waste services	10.4%	0.5%	0.0%	2.8%	2.8%	1.0%	10.01	0.49	0.00	2.72	2.68
Construction	7.9%	9.0%	3.3%	5.9%	6.5%	8.9%	0.89	1.01	0.37	0.66	0.73
Wholesale trade	3.6%	2.1%	1.5%	4.0%	3.6%	4.0%	0.89	0.52	0.37	1.00	0.90
Retail trade	5.1%	11.6%	12.3%	13.5%	12.8%	11.8%	0.43	0.99	1.04	1.14	1.08
Accommodation & food services	2.7%	13.2%	7.5%	7.0%	7.9%	7.0%	0.39	1.89	1.07	1.00	1.12
Transport, postal & warehousing	10.3%	2.5%	3.8%	6.4%	5.9%	5.1%	2.04	0.50	0.74	1.26	1.16
Information media & telecommunications	0.4%	0.4%	0.0%	1.4%	1.1%	1.5%	0.24	0.27	0.00	0.92	0.77
Financial & insurance services	0.3%	1.3%	0.0%	2.7%	2.3%	2.9%	0.10	0.45	0.00	0.90	0.77
Rental, hiring &	1.5%	2.8%	1.3%	1.7%	1.9%	2.2%	0.70	1.28	0.58	0.78	0.86



	Employment by Industry						Location Quotient				
	Fitzroy Planning Area	Livingstone Planning Area	Mount Morgan Planning Area	Rockhampton Planning Area	Rockhampton Regional Council	Queensland	Fitzroy Planning Area	Livingstone Planning Area	Mount Morgan Planning Area	Rockhampton Planning Area	Rockhampton Regional Council
real estate services											
Professional, scientific & technical services	1.2%	3.5%	1.8%	3.7%	3.5%	5.8%	0.20	0.61	0.30	0.64	0.61
Administrative & support services	1.8%	2.0%	2.8%	2.2%	2.1%	3.1%	0.59	0.65	0.90	0.72	0.70
Public administration & safety	5.1%	7.7%	8.8%	7.4%	7.3%	6.8%	0.75	1.13	1.28	1.08	1.07
Education & training	7.4%	11.0%	17.8%	11.3%	11.1%	7.8%	0.94	1.41	2.27	1.45	1.42
Health care & social assistance	5.9%	8.0%	24.6%	13.8%	12.5%	10.4%	0.57	0.77	2.36	1.32	1.20
Arts & recreation services	0.2%	1.0%	0.0%	0.9%	0.8%	1.4%	0.11	0.73	0.00	0.63	0.61
Other services	4.2%	3.2%	2.3%	4.7%	4.4%	3.8%	1.09	0.83	0.59	1.22	1.14
Inadequately described/Not stated	1.7%	1.3%	1.0%	0.9%	1.0%	1.4%	2.79	2.23	0.80	1.13	1.40

Note: Working population profile data from the 2006 Census was used in this analysis.
Source: ABS (2006), Economic Associates calculations

4.2 Supply Chain and Customer Sectors

4.2.1 Identification of Major Supplier and Customer Sectors

This section summarises the major inter-industry transactions of the key industries within the Rockhampton Regional Council, as identified in Section 4.1 of the report, namely:

- Agriculture, forestry and fishing, in particular agriculture (beef, dairy, pigs and other agriculture);
- Mining, in particular coal mining;
- Electricity, gas and water supply;
- Retail trade;
- Accommodation and food services;
- Transport, postal and warehousing, in particular road transport and rail transport;
- Education and training;
- Health care and social assistance; and
- Public administration and safety.

The analysis of inter-industry transactions is based on the 2004-05 Australian Input-Output tables. While these input-output tables are over five years old, it is considered unlikely that there has been a significant change in the structural inter-dependence of the key industries within the Rockhampton regional economy⁴.

The 2004-05 Australian Input-Output tables are expressed at the 1993 ANZSIC three digit level, but the key industries identified in the shift-share analysis and location quotient analysis were conducted at the one digit 2006 ANZSIC level.

Table 4-3 below summarises the concordance between the key industries identified (at the 2006 ANZSIC one/two digit level) and the component sub-sectors as identified in the 2004-05 Australian input-output tables (at the 1993 ANZSIC three digit level).

Table 4-3 Key Industry Sectors in Rockhampton Regional Council and Relevant Industry Sub-Sectors from Input-Output Tables

Key Industry Sector	Relevant Industries from Input Output Tables
Agriculture	Beef cattle Dairy cattle Pigs Other agriculture
Mining	Coal mining
Electricity, gas & water supply	Electricity supply Gas supply

⁴ While there may have been some changes to industrial processes over the last five years, it is likely that the inputs to those processes have not changed significantly.

Key Industry Sector	Relevant Industries from Input Output Tables
	Water supply, sewerage & drainage services
Retail trade	Retail trade Retail mechanical repairs Other retail repairs
Accommodation & food services	Accommodation, cafés & restaurants
Transport, postal & warehousing	Road transport Rail, pipeline and other transport
Education & training	Education
Health care & social assistance	Health services Community services
Public administration & safety	Government administration

For each industry sector identified, the major supplier and customer industry sectors were identified based on their relative significance in terms of either sales to or purchases from the subject industry sector. Supplier and customer industry sectors were grouped into the following broad categories:

- ▶ Primary industries;
- ▶ Secondary industries;
- ▶ Tertiary industries;
- ▶ Quaternary industries; and
- ▶ Quinary industries.

The above categories provide a hierarchy of industries from the supply of commodities (primary industry) to the provision of higher order services, such as health and community services, and cultural and recreational services (quinary industry).

Table 4-4 below provides a summary of the classification of industry sectors (at the 1993 ANZSIC three digit level) into broad industry categories.



Table 4-4 Classification of Industry Sectors into Industry Categories

Primary Industry	Secondary Industry	Tertiary industry	Quaternary Industry	Quinary Industry
- Sheep - Grains - Beef cattle - Dairy cattle - Pigs - Poultry - Other agriculture - Services to agriculture, hunting and trapping - Forestry and logging - Commercial fishing - Coal mining - Oil & gas mining - Iron ore mining - Non-ferrous metal ores mining - Other mining - Services to mining	- Wine, spirits and tobacco products mfg - Meat and meat products mfg - Dairy products mfg - Fruit and vegetable products mfg - Oils and fats mfg - Flour mill products and cereal foods mfg - Bakery products mfg - Confectionery mfg - Other food products mfg - Soft drinks, cordials and syrups mfg - Beer and malt mfg - Textile fibres, yarns and woven fabrics mfg - Textile products mfg - Knitting mill products mfg - Clothing mfg - Footwear mfg - Leather and leather products mfg - Iron and steel mfg	- Wholesale mechanical repairs - Other wholesale repairs - Retail mechanical repairs - Other retail repairs - Wholesale trade - Retail trade - Accommodation, cafes and restaurants - Road transport - Rail, pipeline and other transport - Water transport - Air and space transport - Services to transport, storage	- Communication services - Banking - Non-bank finance - Insurance - Services to finance, investment and insurance - Ownership of dwellings - Other property services - Scientific research, technical and computer services - Legal, accounting, marketing and business management services - Other business services - Government administration	- Health services - Community services - Motion picture, radio and television services - Libraries, museums and the arts - Sport, gambling and recreational services - Personal services - Other services



Primary Industry	Secondary Industry	Tertiary industry	Quaternary Industry	Quinary Industry
	▶ Sawmill products mfg ▶ Other wood products mfg - Pulp, paper and paperboard mfg ▶ Paper containers and products mfg ▶ Printing and services to printing mfg ▶ Publishing, recorded media mfg ▶ Petroleum and coal products mfg ▶ Basic chemicals mfg ▶ Paint mfg ▶ Medicinal and pharmaceutical products, pesticides mfg ▶ Soap and detergents mfg ▶ Cosmetics and toiletry preparations mfg ▶ Other chemical products mfg ▶ Rubber products mfg ▶ Plastic products mfg ▶ Glass and glass products mfg ▶ Ceramic products mfg ▶ Cement, lime and concrete slurry mfg ▶ Plaster and other concrete		▶ Defence ▶ Education	



Primary Industry	Secondary Industry	Tertiary industry	Quaternary Industry	Quinary Industry
	products mfg • Other non-metallic mineral products mfg			
	• Basic non-ferrous metal and products mfg • Sheet metal products mfg • Structural metal products mfg • Fabricated metal products mfg • Motor vehicles and parts, other transport equipment mfg • Ships and boats mfg • Railway equipment mfg • Aircraft mfg • Photographic and scientific equipment mfg • Electronic equipment mfg • Household appliances mfg • Other electrical equipment mfg • Agricultural, mining, etc. machinery mfg • Other machinery and equipment mfg • Prefabricated buildings mfg • Furniture mfg • Other mfg			



Primary Industry	Secondary Industry	Tertiary industry	Quaternary Industry	Quinary Industry
	- Electricity supply - Gas supply - Water supply, sewerage and drainage services - Residential building - Other construction - Construction trade services			



4.2.2 Summary

From each of the key industry sectors identified in Rockhampton Regional Council, the three most significant supply chain and customer sectors were identified based on the detailed supply chain and customer market analysis of the key regionally competitive industry sectors (refer to **Table 4-3** above) contained in **Appendix B**. The analysis then identified the most common supply chain and customer sectors for all key industry sectors within Rockhampton Regional Council.

Overall, the most significant key sectors supplying enterprises within Rockhampton Regional Council are:

- Legal, accounting, marketing and business management services;
- Other property services;
- Wholesale trade;
- Medicinal and pharmaceutical products, pesticides manufacturing;
- Services to agriculture, hunting and trapping;
- Construction trade services;
- Other food products manufacturing;
- Communication services; and
- Other business services.

The most significant sectors being supplied by enterprises within Rockhampton Regional Council are:

- Retail trade;
- Accommodation, cafes and restaurants;
- Wholesale trade;
- Meat and meat products manufacturing;
- Electricity supply;
- Other business services;
- Road transport;
- Scientific research, technical and computer services;
- Legal, accounting, marketing and business management services; and
- Education.

Table 4-5 below provides a detailed summary of the key industry sectors within Rockhampton Regional Council, including the proportion of total employment each sector accounts for, the location quotient and key input and customer sectors.



Table 4-5 Summary of Key Industry Sectors in Rockhampton Regional Council

Industry Sector	Proportion of Total Employment	Location Quotient (relative to Queensland)	Key Inputs	Key Customer Sectors
Agriculture	2.8%	0.81	Medicinal and pharmaceutical products & pesticides manufacturing Services to agriculture, hunting and trapping Other food products manufacturing	Accommodation, cafes & restaurants Retail trade Meat and meat products manufacturing
Mining	0.7%	0.42	Services to mining Coal mining Rail, pipeline & other transport	Electricity supply Coal mining Iron & steel manufacturing
Electricity, gas, water & waste services	2.8%	2.68	Construction trade services Legal, accounting, marketing and business management services	Electricity supply
Retail trade	12.8%	1.08	Legal, accounting, marketing and business management services Wholesale trade	Retail trade Accommodation, cafes & restaurants Wholesale trade
Accommodation & food services	7.9%	1.12	Retail trade Meat & meat products manufacturing Other property services	Wholesale trade Legal, accounting, marketing & business management Other business services
Transport, postal & warehousing	5.9%	1.16		
Education & training	11.1%	1.42	Wholesale trade Communication services Libraries, museums and the arts	Scientific research, technical & computer services Other business services Education



Industry Sector	Proportion of Total Employment	Location Quotient (relative to Queensland)	Key Inputs	Key Customer Sectors
Health care & social assistance	12.5%	1.20	Legal, accounting, marketing and business management services Other business services Other property services Wholesale trade Communication services Photographic & scientific equipment manufacturing	Health services Services to transport, storage Medicinal and pharmaceutical products & pesticides manufacturing
Public administration & safety	7.3%	1.07	Scientific research, technical & computer services Communication services Legal, accounting, marketing and business management services	Government administration Legal, accounting, marketing & business management services Road transport

Note: In determining the key inputs and customer sectors, the three most significant industry sectors were noted for each industry analysed in this chapter

5. Rockhampton Regional Council sub area analysis

5.1 Definition of Sub Areas

A total of 21 sub areas were defined within Rockhampton Regional Council based on existing and planned activity within Rockhampton Regional Council and its component planning areas. The sub areas were defined based on Census collection district boundaries, the smallest geographic area defined in the Australian Standard Geographical Classification.

The sub areas within each planning area are as follows:

- ▶ Fitzroy planning area:
 - Gracemere;
 - Stanwell Industrial Corridor; and
 - Fitzroy Rural;
- ▶ Livingstone planning area:
 - Emu Park and Surrounds;
 - Kinka Beach and Surrounds;
 - Livingstone Rural Balance;
 - The Caves/Rockyview; and
 - Yeppoon and Surrounds;
- ▶ Mount Morgan planning area:
 - Mount Morgan Township; and
 - Mount Morgan Rural;
- ▶ Rockhampton planning area:
 - Airport;
 - CBD;
 - North Rockhampton Balance;
 - North Rockhampton Commercial Corridor;
 - North Rockhampton Industrial;
 - North Rockhampton Residential;
 - Parkhurst- Kawana Industrial Corridor;
 - South Rockhampton Industrial;
 - South Rockhampton Balance;
 - South Rockhampton Commercial Corridor; and
 - South Rockhampton Residential.

Figure 5-1 outlines the geographic boundaries of the sub areas identified within Rockhampton Regional Council. **Figure 5-2** provides a detailed map of the geographic boundaries of the sub areas within Rockhampton planning area.

Figure 5-1 Rockhampton Regional Council Sub Areas

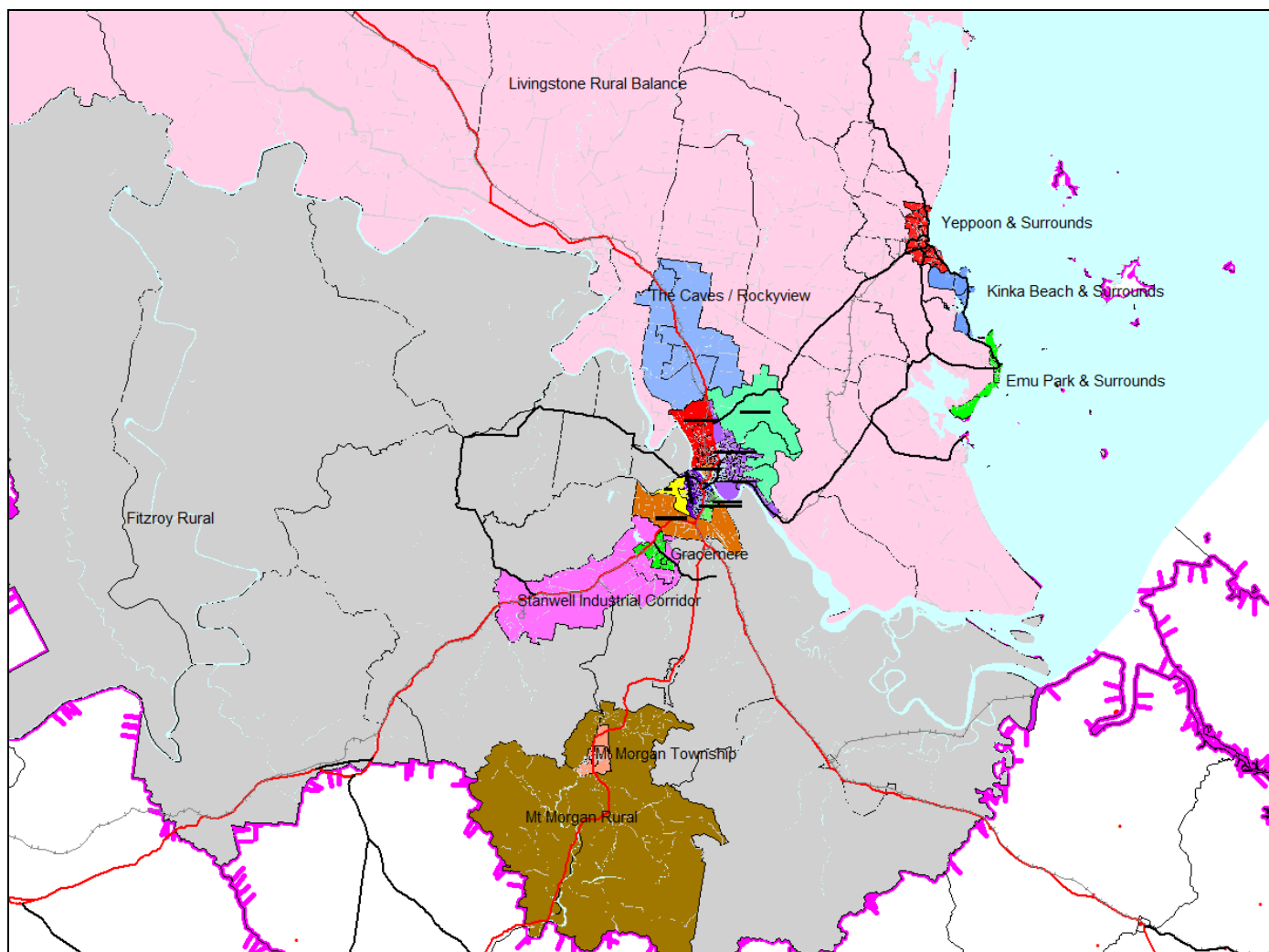
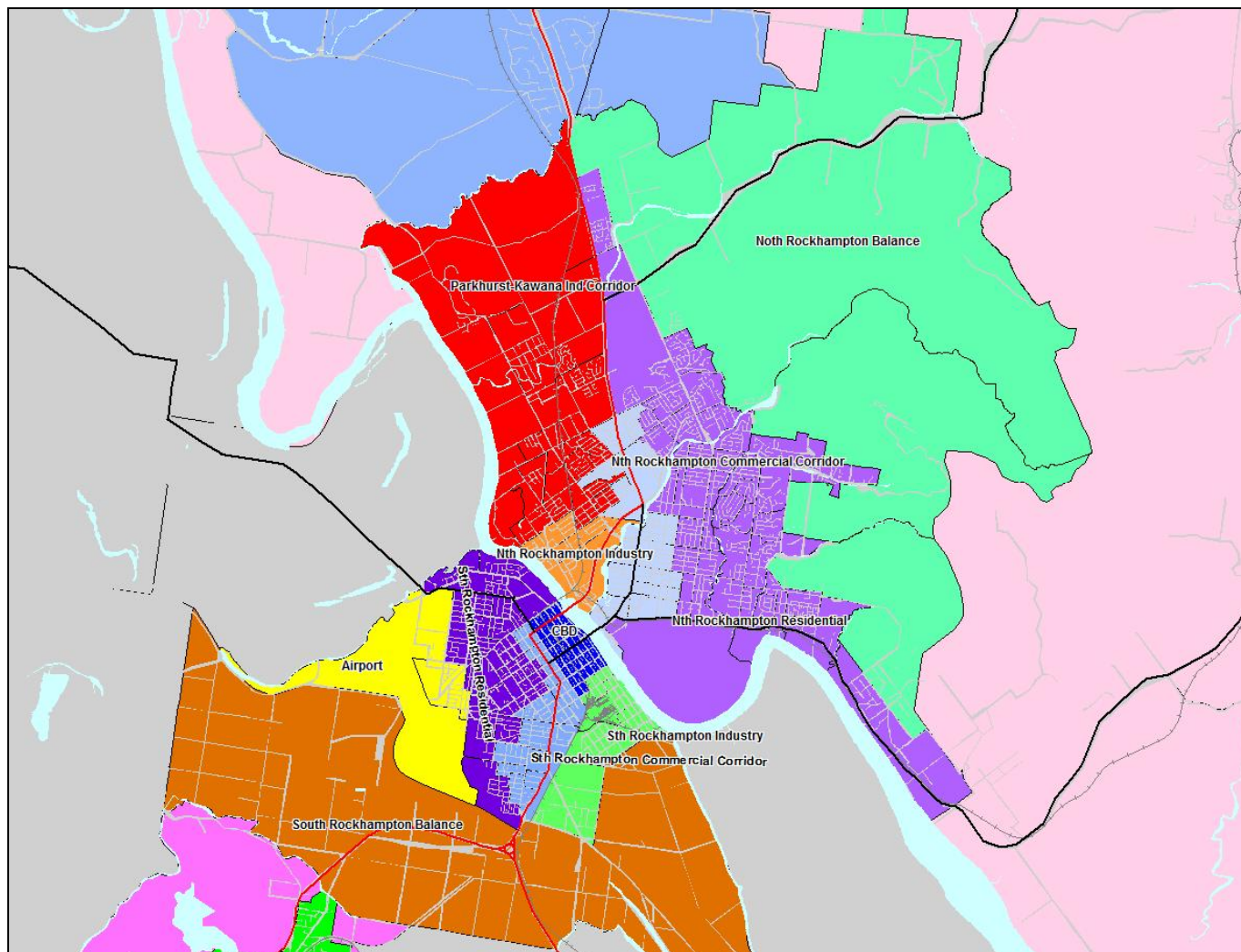


Figure 5-2 Rockhampton Planning Area Sub Areas



5.2 Socio-Economic Overview of Sub Areas

The socio-economic characteristics of the identified sub areas are based on the 2006 Census of Population and Housing and benchmarked against Queensland. A number of key points can be drawn from this profile, these being:

- ▶ In 2006, there were 10,225 persons living in the Fitzroy planning area⁵, including:
 - 4,450 persons living in Gracemere;
 - 1,729 persons living in Stanwell Industrial Corridor; and
 - 4,406 persons living in the Fitzroy Rural area;
- ▶ There were 27,833 persons living in the Livingstone planning area, including:
 - 2,877 persons living in Emu Park and Surrounds;
 - 1,561 persons living in Kinka Beach and Surrounds;
 - 8,516 persons living in Livingstone Rural Balance;
 - 3,445 persons living in The Caves/Rockyview; and
 - 11,434 persons living in Yeppoon and Surrounds;
- ▶ There were 2,974 persons living in Mount Morgan planning area, including:
 - 2,173 persons living in Mount Morgan Township; and
 - 801 persons living in the Mount Morgan rural area;
- ▶ There were 58,529 persons living in the Rockhampton planning area, including:
 - 833 persons living in the Airport area;
 - 1,053 persons living in the CBD;
 - 589 persons living in the North Rockhampton Balance area;
 - 7,193 persons living in the North Rockhampton Commercial Corridor;
 - 1,791 persons living in the North Rockhampton Industrial area;
 - 24,446 persons living in the North Rockhampton Residential area;
 - 6,896 persons living in the Parkhurst-Kawana Industrial Corridor;
 - 1,484 persons living in the South Rockhampton Industrial area;
 - 126 persons living in the South Rockhampton Balance area;
 - 4,175 persons living in the South Rockhampton Commercial Corridor; and
 - 9,944 persons living in the South Rockhampton Residential area;
- ▶ The Gracemere, Stanwell Industrial Corridor, Fitzroy Rural, The Caves/Rockyview, North Rockhampton Balance, North Rockhampton Residential and Parkhurst-Kawana Industrial Corridor sub areas are characterised by young couple family with children households. In 2006, the Gracemere, North Rockhampton Residential and Parkhurst-Kawana Industrial Corridor sub areas recorded a higher proportion of single parent family households than Queensland;

⁵ Differences in the planning area population relative to the socio-economic profile presented in Table 2.1 are due to minor variances in the time series and basic community profiles provided by the Australian Bureau of Statistics.

- ▶ The Emu Park and Surrounds, Kinka Beach and Surrounds, Mount Morgan Township, South Rockhampton Balance and South Rockhampton Commercial Corridor sub areas all had a relatively mature population with each sub area recording a significantly higher average age of residents than Queensland in 2006. The incidence of persons aged 65 years and over was higher in these sub areas (all above 18%) than Queensland (12.4%);
- ▶ The proportion of persons aged 15 to 34 years was significantly lower in the Emu Park and Surrounds, Kinka Beach and Surrounds, Livingstone Rural Balance, Mount Morgan Township, Mount Morgan Rural and South Rockhampton Balance sub areas than in Queensland;
- ▶ In the Kinka Beach and Surrounds, Mount Morgan Township and Mount Morgan Rural sub areas, over 48% of households fully own their home compared to 31.6% in Queensland. A significantly lower proportion of households were renting in the Stanwell Industrial Corridor, Fitzroy Rural, Livingstone Rural Balance, The Caves/Rockyview, Mount Morgan Rural, North Rockhampton Balance and South Rockhampton Balance sub areas compared to Queensland;
- ▶ Households within the Emu Park and Surrounds, Mount Morgan Township, CBD, North Rockhampton Commercial Corridor, North Rockhampton Industrial and South Rockhampton Industrial sub areas generally earn a lower average weekly income (less than \$1,000) than Queensland (\$1,202). Households within The Caves/Rockyview, Mount Morgan Rural and North Rockhampton Balance sub areas generally earn a higher average weekly income (more than \$1,500) than Queensland;
- ▶ Average monthly housing loan repayments were lower in the sub areas than Queensland (\$1,446), with the exception of the Kinka Beach and Surrounds sub area (\$1,502). The sub areas recorded lower average weekly rents than Queensland;
- ▶ Unemployment rates of above 10% were recorded in the Mount Morgan Township, Mount Morgan Rural, CBD and South Rockhampton Industrial sub areas. Unemployment rates in the Stanwell Industrial Corridor, Fitzroy Rural, Livingstone Rural Balance, The Caves/Rockyview and North Rockhampton Balance sub areas were significantly lower than Queensland (4.7%);
- ▶ Low participation rates (below 50%) were recorded in the Emu Park and Surrounds, Mount Morgan Township and Mount Morgan Rural sub areas compared to Queensland (61.8%). High participation rates (above 70%) were recorded in The Caves/Rockyview and North Rockhampton Balance sub areas compared to Queensland.
- ▶ Kinka Beach and Surrounds and The Caves/Rockyview sub areas recorded a high proportion of the population with a post-school qualification compared to Queensland, while Mount Morgan Township, Mount Morgan Rural, CBD and South Rockhampton Industrial sub areas recorded a significantly lower proportion of the population with a post-school qualification than Queensland;
- ▶ The sub areas generally recorded a higher proportion of blue collar workers than Queensland. Lower blue collar workers accounted for over 30% of employment in the Mount Morgan Township, Mount Morgan Rural, CBD, North Rockhampton Industrial and South Rockhampton Industrial sub areas. The Kinka Beach and Surrounds, South Rockhampton Commercial Corridor and South Rockhampton Residential sub areas recorded a higher proportion of persons employed in upper white collar professions (over 30%) than the other sub areas analysed and Queensland;
- ▶ Within Rockhampton Regional Council, the Airport, Gracemere, Stanwell Industrial Corridor, Mount Morgan Rural, North Rockhampton Balance, North Rockhampton Industrial, Parkhurst-



Kawana Industrial Corridor sub areas are industrial areas which typically recorded a high proportion of employment in the manufacturing, construction, wholesale trade and/or transport, postal and warehousing sectors relative to Queensland;

- ▶ The Fitzroy Rural, Livingstone Rural and South Rockhampton Balance sub areas are agricultural areas with a higher proportion of persons employed in the agriculture, forestry and fishing sector than Queensland;
- ▶ The Emu Park and Surrounds, Kinka Beach and Surrounds, The Caves/Rockyview, Yeppoon and Surrounds, Mount Morgan Township, North and South Rockhampton Commercial Corridors and North and South Rockhampton Residential sub areas generally recorded a higher proportion of persons employed in the education and training, and/or health care and social assistance sectors than Queensland;
- ▶ The Rockhampton CBD sub area recorded a higher proportion of persons employed in accommodation and food services than the other sub areas and Queensland; and
- ▶ The Fitzroy, Livingstone and Mount Morgan sub areas recorded a higher proportion of persons employed in the mining and electricity, gas, water and waste services than Queensland, with the exception of the mining sector in Mount Morgan Township sub area.

6. Employment & Land Use Projections

This section of the report presents the findings of the employment projections for each of the planning areas within Rockhampton Regional Council. Estimates have then been allocated to the sub areas, based on priority infrastructure planning (PIP) data provided by Rockhampton Regional Council, and anticipated growth trends within each sub area.

For each sub area, the net land required to accommodate the following uses has also been identified:

- ▶ Industrial;
- ▶ Commercial office;
- ▶ Retail;
- ▶ Education;
- ▶ Health;
- ▶ Public order & safety; and
- ▶ Other (hospitality, sport & recreation & similar).

Employment estimates at the two digit ANZSIC level are provided in **Appendix D** for each sub area.

6.1 Projected Employment by Planning Area

6.1.1 Methodology

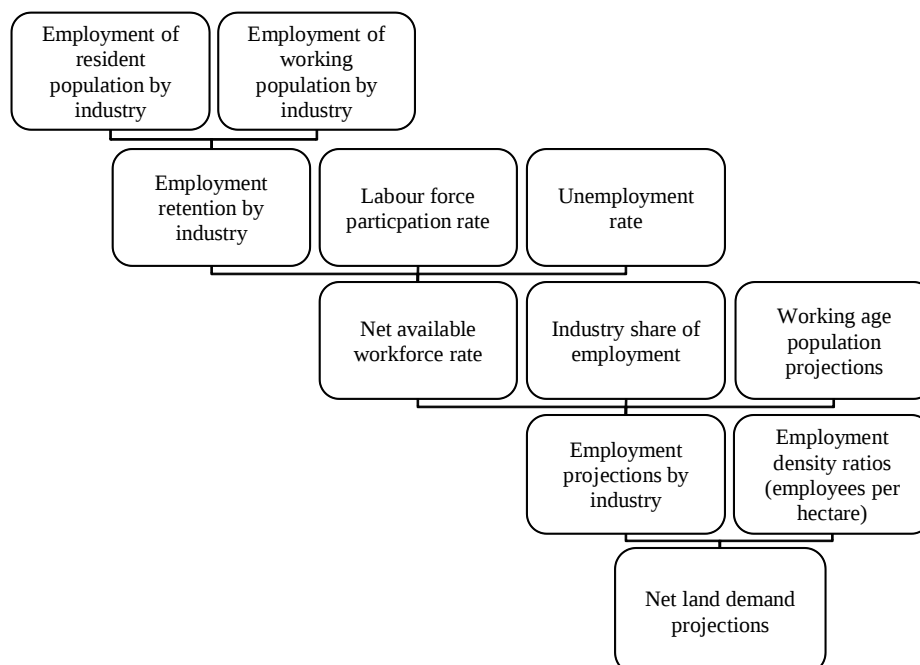
Employment and net land demand projections in this report are based on a number of factors, including:

- ▶ The net available workforce rate, which is derived using:
 - Employment retention (or jobs balance) rates by industry sector (resident population employment by industry divided by working population by industry); and
 - Labour force participation and unemployment rates.
- ▶ Industry share of employment for relevant sectors; and
- ▶ Working age (persons aged 15 to 64 years) population projections.

Net land demand (or allotment demand) is derived by applying employment density ratios (employees per hectare) for each industry sector to the employment projections.

Figure 6.1 below is a flowchart of the process of calculating employment and net land demand projections.

Figure 6-1 Methodology for Preparing Employment and Net Land Demand Projections



6.1.2 Employment and Population Growth

Precisely predicting employment levels into the future is difficult, because of the cyclical nature of economic activity and employment. As of the 2006 Census of Population and Housing, the 15 to 64 year unemployment rates within Rockhampton Regional Council were:

- ▶ Fitzroy planning area – 4.1%;
- ▶ Livingstone planning area – 4.6%;
- ▶ Mount Morgan planning area – 15.3%; and
- ▶ Rockhampton planning area – 5.8%.

The unemployment rates throughout Rockhampton Regional Council were significantly lower in 2006 than in previous Census years. For the Fitzroy, Livingstone and Rockhampton planning areas, it has been assumed that the unemployment rate will trend upwards to 80% of the historical average by 2031. In the Mount Morgan planning area, it has been assumed that the unemployment rate will continue to fall, reaching 10.0% by 2031.

Table 6.1 below summarises the assumed 15 to 64 year unemployment rates in Rockhampton Regional Council and its component planning areas between 2006 and 2031.

Table 6-1 Projected Unemployment Rates, 2006 to 2031

	2006	2010	2011	2016	2021	2026	2031
Fitzroy Planning Area	4.1%	4.3%	4.4%	4.6%	4.9%	5.1%	5.4%
Livingstone Planning Area	4.6%	4.9%	5.0%	5.4%	5.8%	6.2%	6.6%
Mount Morgan Planning Area	15.3%	14.5%	14.2%	13.2%	12.1%	11.1%	10.0%
Rockhampton Planning Area	5.8%	6.0%	6.0%	6.2%	6.4%	6.7%	6.9%

Source: Economic Associates estimates

The labour force participation rates for the 15 to 64 population as of the 2006 Census of Population and Housing were:

- Fitzroy planning area – 70.5%;
- Livingstone planning area – 66.1%;
- Mount Morgan planning area – 47.1%; and
- Rockhampton planning area – 70.9%.

In the Fitzroy, Livingstone and Rockhampton planning areas, it has been assumed that labour force participation will increase by 2.5% by 2031. In Mount Morgan planning area, it has been assumed that the labour force participation rate will increase significantly, reaching 60.0% by 2031.

Table 6-2 Projected Labour Force Participation Rates, 2006 to 2031

	2006	2010	2011	2016	2021	2026	2031
Fitzroy Planning Area	70.5%	70.8%	70.9%	71.2%	71.6%	71.9%	72.3%
Livingstone Planning Area	66.1%	66.4%	66.5%	66.8%	67.1%	67.4%	67.8%
Mount Morgan Planning Area	47.1%	49.1%	49.6%	52.2%	54.8%	57.4%	60.0%
Rockhampton Planning Area	70.9%	71.2%	71.3%	71.6%	72.0%	72.3%	72.7%

Source: Economic Associates estimates

6.1.3 Employment Assumptions

In addition to anticipated unemployment levels and labour force participation, the employment modelling supporting this assessment makes a number of assumptions regarding:

- Jobs balance by industry sector: the ratio of employed persons by place of residence and employed persons by place of work; and
- Employment by industry sector: the percentage of the working population employed in particular industry sectors.

6.1.3.1 Employment Retention

Employment retention (also known as 'jobs balance') refers to the share of the resident workforce by industry (employment by industry by place of residence) that is retained within a particular region.

The ratio is as follows:

(Employment by industry by place of employment) divided by (Employment by industry by place of residence)

An employment retention rate of less than 100% indicates that some employed residents of a particular region work in a different region (i.e. employment leakage). Employment retention rates greater than 100% suggest a net inflow of workers within that sector from other regions.

Detailed tables outlining the trends in employment retention at the two digit level can be found in **Appendix C** of the report.

6.1.3.2 Projected Industry by Employment Share

The economic structure of Rockhampton Regional Council and its component sub-regions is expected to evolve throughout the projection period. These changes are likely to be gradual, however major developments may result in a significant restructuring of the economy. Assumptions made regarding the likely economic structural change within Rockhampton Regional Council and its component sub-regions have been based on consultation findings, regional planning intents, regional input-output tables, a review of recent development applications and approvals, major projects proposed for the region and the findings of field investigations.

Detailed tables outlining the trends in projected employment by industry at the two digit level can be found in **Appendix C** of the report.

Table 6-3 Projected Economic Structure, Employment by Industry for Fitzroy, Livingstone, Mount Morgan and Rockhampton Planning Areas, 2010-2031

Industry	2010	2011	2016	2021	2026	2031
Fitzroy Planning Area						
Agriculture, forestry and fishing	8.6%	8.6%	8.4%	8.3%	8.1%	7.9%
Mining	4.2%	4.2%	4.1%	4.1%	4.0%	3.9%
Manufacturing	8.3%	8.4%	9.2%	10.0%	10.9%	11.7%
Electricity, gas, water and waste services	2.2%	2.2%	2.1%	2.1%	2.0%	2.0%
Construction	8.6%	8.6%	8.6%	8.6%	8.6%	8.5%
Wholesale trade	4.7%	4.7%	5.0%	5.3%	5.7%	6.0%
Retail trade	10.4%	10.4%	10.3%	10.3%	10.3%	10.2%
Accommodation and food services	5.3%	5.3%	5.2%	5.1%	5.0%	4.9%
Transport, postal and warehousing	9.0%	9.0%	9.2%	9.4%	9.5%	9.7%
Information media and telecommunications	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Financial and insurance services	1.5%	1.5%	1.5%	1.5%	1.4%	1.4%



Industry	2010	2011	2016	2021	2026	2031
Rental, hiring and real estate services	1.4%	1.4%	1.3%	1.3%	1.3%	1.2%
Professional, scientific and technical services	2.7%	2.7%	2.6%	2.6%	2.5%	2.5%
Administrative and support services	2.2%	2.2%	2.2%	2.1%	2.1%	2.1%
Public administration and safety	5.7%	5.7%	5.6%	5.5%	5.4%	5.2%
Education and training	6.4%	6.4%	6.3%	6.1%	6.0%	5.9%
Health care and social assistance	10.6%	10.6%	10.4%	10.2%	9.9%	9.7%
Arts and recreation services	0.6%	0.6%	0.6%	0.6%	0.5%	0.5%
Other services	6.8%	6.8%	6.6%	6.5%	6.3%	6.2%
Inadequately described / not stated	8.6%	8.6%	8.4%	8.3%	8.1%	7.9%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Livingstone Planning Area						
Agriculture, forestry and fishing	4.8%	4.8%	4.7%	4.7%	4.7%	4.7%
Mining	4.6%	4.6%	4.6%	4.6%	4.5%	4.5%
Manufacturing	7.1%	7.1%	7.2%	7.4%	7.5%	7.6%
Electricity, gas, water and waste services	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%
Construction	10.8%	10.8%	10.9%	11.0%	11.1%	11.2%
Wholesale trade	2.8%	2.8%	2.9%	2.9%	3.0%	3.0%
Retail trade	10.8%	10.8%	10.7%	10.7%	10.7%	10.6%
Accommodation and food services	8.6%	8.6%	8.5%	8.5%	8.5%	8.4%
Transport, postal and warehousing	4.0%	4.0%	4.1%	4.1%	4.2%	4.3%
Information media and telecommunications	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%
Financial and insurance services	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%
Rental, hiring and real estate services	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%
Professional, scientific and technical services	3.7%	3.7%	3.7%	3.6%	3.6%	3.6%
Administrative and support services	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Public administration and safety	6.9%	6.9%	6.8%	6.8%	6.8%	6.7%



Industry	2010	2011	2016	2021	2026	2031
Education and training	11.0%	11.0%	10.9%	10.9%	10.8%	10.7%
Health care and social assistance	9.3%	9.3%	9.3%	9.2%	9.2%	9.1%
Arts and recreation services	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%
Other services	6.0%	6.0%	6.0%	6.0%	6.1%	6.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Mount Morgan Planning Area						
Agriculture, forestry and fishing	3.7%	3.7%	3.6%	3.6%	3.6%	3.6%
Mining	2.8%	2.8%	2.7%	2.7%	2.7%	2.7%
Manufacturing	8.7%	8.7%	8.9%	9.0%	9.2%	9.4%
Electricity, gas, water and waste services	2.2%	2.2%	2.2%	2.2%	2.2%	2.2%
Construction	9.6%	9.6%	9.7%	9.7%	9.8%	9.9%
Wholesale trade	3.9%	3.9%	4.0%	4.1%	4.1%	4.2%
Retail trade	10.0%	10.0%	9.9%	9.9%	9.8%	9.7%
Accommodation and food services	5.9%	5.9%	5.9%	5.8%	5.8%	5.7%
Transport, postal and warehousing	8.4%	8.5%	8.6%	8.8%	8.9%	9.1%
Information media and telecommunications	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Financial and insurance services	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%
Rental, hiring and real estate services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Professional, scientific and technical services	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%
Administrative and support services	2.6%	2.6%	2.6%	2.6%	2.6%	2.5%
Public administration and safety	8.9%	8.9%	8.9%	8.8%	8.7%	8.7%
Education and training	7.7%	7.7%	7.7%	7.6%	7.6%	7.5%
Health care and social assistance	15.4%	15.3%	15.2%	15.1%	15.0%	14.9%
Arts and recreation services	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Other services	7.2%	7.2%	7.2%	7.2%	7.2%	7.1%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Rockhampton Planning Area						
Agriculture, forestry and fishing	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%

Industry	2010	2011	2016	2021	2026	2031
Mining	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Manufacturing	9.6%	9.6%	9.7%	9.9%	10.0%	10.1%
Electricity, gas, water and waste services	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%
Construction	7.5%	7.5%	7.5%	7.5%	7.5%	7.5%
Wholesale trade	3.7%	3.7%	3.7%	3.6%	3.6%	3.6%
Retail trade	12.4%	12.4%	12.4%	12.4%	12.3%	12.3%
Accommodation and food services	7.3%	7.3%	7.3%	7.3%	7.3%	7.2%
Transport, postal and warehousing	6.3%	6.3%	6.3%	6.3%	6.3%	6.3%
Information media and telecommunications	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%
Financial and insurance services	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%
Rental, hiring and real estate services	1.6%	1.6%	1.6%	1.6%	1.6%	1.6%
Professional, scientific and technical services	3.4%	3.4%	3.4%	3.4%	3.4%	3.3%
Administrative and support services	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%
Public administration and safety	6.7%	6.7%	6.7%	6.7%	6.7%	6.7%
Education and training	10.4%	10.4%	10.4%	10.3%	10.3%	10.3%
Health care and social assistance	12.4%	12.4%	12.4%	12.3%	12.3%	12.3%
Arts and recreation services	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%
Other services	6.4%	6.4%	6.3%	6.3%	6.3%	6.3%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Note: The figures in this table represent the projected resident employment by industry share.
Source: Economic Associates estimates

6.1.4 Projected Employment

By 2031, employment in Rockhampton Regional Council is projected to be 54,686 persons, comprising:

- 4,509 persons in the Fitzroy planning area;
- 11,424 persons in the Livingstone planning area;
- 579 persons in the Mount Morgan planning area; and
- 38,174 persons in the Rockhampton planning area.

Within Rockhampton Regional Council, the sectors anticipated to record the most significant increases in employment are:

- ▶ Manufacturing (additional 1,470 employed);
- ▶ Retail trade (additional 1,240 employed);
- ▶ Health care and social assistance (additional 1,170 employed); and
- ▶ Education and training (additional 1,110 employed).

Table 6-4 below summarises projected employment by planning area at the one digit ANZSIC level between 2010 and 2031. **Appendix C** summarises projected employment by industry at the two digit level by planning area.

Table 6-4 Projected Employment by Industry by Planning Area, 2010-2031

Industry	2010	2011	2016	2021	2026	2031
Fitzroy Planning Area						
Agriculture, forestry and fishing	474	491	538	592	652	714
Mining	36	37	41	44	49	53
Manufacturing	217	227	270	379	513	675
Electricity, gas, water and waste services	247	256	280	302	325	349
Construction	187	193	216	272	335	406
Wholesale trade	88	92	108	146	191	245
Retail trade	116	120	134	183	238	300
Accommodation and food services	64	67	73	97	123	150
Transport, postal and warehousing	241	250	284	351	428	515
Information media and telecommunications	8	9	9	11	13	15
Financial and insurance services	7	7	8	10	12	14
Rental, hiring and real estate services	36	37	41	46	51	57
Professional, scientific and technical services	27	28	31	36	42	48
Administrative and support services	43	45	49	54	60	67
Public administration and safety	117	121	133	149	168	187
Education and training	174	181	198	226	256	289
Health care and social assistance	140	145	159	185	215	246
Arts and recreation services	4	4	4	6	8	11
Other services	104	108	118	133	150	168
Total	2,330	2,419	2,695	3,223	3,830	4,509

Industry	2010	2011	2016	2021	2026	2031
Livingstone Planning Area						
Agriculture, forestry and fishing	638	658	712	745	779	809
Mining	87	90	98	103	110	115
Manufacturing	743	770	853	911	971	1,028
Electricity, gas, water and waste services	40	41	44	49	54	59
Construction	706	730	802	891	990	1,092
Wholesale trade	165	171	190	214	242	272
Retail trade	906	934	1,012	1,101	1,199	1,296
Accommodation and food services	1,029	1,061	1,148	1,249	1,359	1,468
Transport, postal and warehousing	200	207	229	250	272	295
Information media and telecommunications	32	33	36	44	52	61
Financial and insurance services	104	107	116	136	159	183
Rental, hiring and real estate services	215	221	239	266	295	325
Professional, scientific and technical services	274	283	306	347	393	441
Administrative and support services	154	159	172	194	220	246
Public administration and safety	601	619	670	736	809	881
Education and training	858	885	958	1,056	1,164	1,273
Health care and social assistance	624	643	696	802	920	1,044
Arts and recreation services	78	81	87	94	102	110
Other services	263	272	298	337	380	426
Total	7,715	7,964	8,666	9,524	10,471	11,424
Mount Morgan Planning Area						
Agriculture, forestry and fishing	21	22	24	25	26	28
Mining	20	21	22	23	23	24
Manufacturing	10	11	12	13	13	14
Electricity, gas, water and waste services	0	0	0	0	0	0
Construction	15	15	17	18	20	21
Wholesale trade	7	7	8	9	9	10

Industry	2010	2011	2016	2021	2026	2031
Retail trade	55	57	61	65	68	72
Accommodation and food services	34	35	37	40	42	44
Transport, postal and warehousing	17	18	20	21	23	25
Information media and telecommunications	0	0	0	0	0	0
Financial and insurance services	0	0	0	0	0	0
Rental, hiring and real estate services	0	0	0	0	0	0
Professional, scientific and technical services	8	8	9	9	10	10
Administrative and support services	12	13	14	14	15	16
Public administration and safety	40	41	44	46	49	51
Education and training	80	83	89	94	99	104
Health care and social assistance	111	114	122	129	137	144
Arts and recreation services	0	0	0	0	0	0
Other services	10	11	12	13	13	14
Total	442	455	489	518	548	579
Rockhampton Planning Area						
Agriculture, forestry and fishing	122	125	130	133	135	137
Mining	171	176	187	197	207	218
Manufacturing	3,048	3,117	3,314	3,458	3,607	3,771
Electricity, gas, water and waste services	949	967	1,012	1,040	1,070	1,103
Construction	1,985	2,024	2,118	2,122	2,125	2,130
Wholesale trade	1,348	1,374	1,438	1,450	1,461	1,475
Retail trade	4,546	4,634	4,849	4,957	5,068	5,195
Accommodation and food services	2,367	2,413	2,525	2,576	2,628	2,688
Transport, postal and warehousing	2,146	2,188	2,289	2,341	2,394	2,455
Information media and telecommunications	456	465	487	496	505	516
Financial and insurance services	892	909	951	972	992	1,016
Rental, hiring and real estate services	564	575	601	611	620	631
Professional, scientific and technical	1,256	1,281	1,340	1,364	1,387	1,415

Industry	2010	2011	2016	2021	2026	2031
services						
Administrative and support services	737	751	786	800	815	832
Public administration and safety	2,472	2,520	2,637	2,702	2,769	2,845
Education and training	3,810	3,884	4,064	4,159	4,256	4,367
Health care and social assistance	4,629	4,719	4,937	5,032	5,128	5,240
Arts and recreation services	291	297	310	317	323	331
Other services	1,593	1,624	1,699	1,733	1,768	1,809
Total	33,383	34,043	35,677	36,460	37,259	38,174

Source: Economic Associates estimates

6.2 Projected Employment by Sub Area

Employment estimates have been allocated to sub areas based on current land use, based on PIP data provided by Rockhampton Regional Council, with growth allocated based on future land intents within each sub area.

6.2.1 Existing Land Use

Rockhampton Regional Council provided PIP data by collection district by gross floor area (GFA) for 43 Queensland Planning Provision (QPP) land uses. As required by the project terms of reference, these 43 land uses were aggregated into the following categories:

- Industrial;
- Commercial office;
- Retail;
- Education;
- Health;
- Public order & safety; and
- Other (hospitality, sport & recreation & similar).

The land uses were then converted to employment estimates, based on employment density assumptions made for each category. **Table 6-5** below provides a summary of the estimated distribution of employment within each planning area.

Table 6-5 Distribution of Employment by Sub Area by Land Use, 2010

	Industrial	Commercial Office	Retail	Education	Health	Public Order & Safety	Other
Fitzroy Planning Area							
Gracemere	33.0%	87.0%	78.8%	38.1%	100.0%	52.3%	51.7%



	Industrial	Commercial Office	Retail	Education	Health	Public Order & Safety	Other
Stanwell Industrial Corridor	63.1%	0.0%	8.0%	35.3%	0.0%	0.0%	16.9%
Fitzroy Rural	3.9%	13.0%	13.1%	26.6%	0.0%	47.7%	31.4%
Livingstone Planning Area							
Emu Park & Surrounds	0.0%	5.8%	8.5%	5.3%	17.4%	2.8%	12.7%
Kinka Beach & Surrounds	6.7%	0.0%	1.4%	0.0%	0.0%	0.0%	4.7%
Livingstone Rural Balance	38.3%	0.0%	3.1%	9.8%	24.9%	0.5%	29.5%
The Caves / Rockyview	2.5%	0.0%	0.6%	2.5%	0.0%	88.7%	6.2%
Yeppoon & Surrounds	52.4%	94.2%	86.3%	82.5%	57.7%	8.1%	46.9%
Mount Morgan Planning Area							
Mount Morgan Township	60.8%	100.0%	97.8%	100.0%	100.0%	100.0%	93.4%
Mount Morgan Rural	39.2%	0.0%	2.2%	0.0%	0.0%	0.0%	6.6%
Rockhampton Planning Area							
Airport	2.1%	0.5%	0.4%	1.1%	0.0%	38.6%	0.0%
CBD	9.6%	67.4%	27.3%	2.3%	0.1%	43.9%	26.6%
North Rockhampton Balance	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	1.5%
North Rockhampton Commercial Corridor	4.8%	11.0%	42.1%	11.0%	8.4%	3.1%	9.1%
North Rockhampton Industrial	9.4%	4.1%	3.4%	3.5%	0.0%	0.0%	7.0%
North Rockhampton Residential	7.3%	2.1%	6.9%	34.9%	16.0%	5.3%	15.5%
Parkhurst – Kawana Industrial Corridor	41.9%	5.4%	2.9%	6.6%	11.6%	9.0%	7.3%
South Rockhampton	15.1%	2.3%	2.2%	1.2%	0.0%	0.0%	3.9%

	Industrial	Commercial Office	Retail	Education	Health	Public Order & Safety	Other
Industrial							
South Rockhampton Balance	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%
South Rockhampton Commercial Corridor	7.3%	3.5%	12.8%	12.9%	15.4%	0.0%	13.6%
South Rockhampton Residential	0.9%	3.6%	2.0%	26.6%	48.5%	0.0%	15.0%

Source: Rockhampton Regional Council (2010), Economic Associates estimates

The two digit ANZSIC industry classifications contained within each employment category are as follows:

► Industrial:

- Food product manufacturing;
- Beverage & tobacco product manufacturing;
- Textile, leather, clothing & footwear manufacturing;
- Wood product manufacturing;
- Pulp, paper & converted paper product manufacturing;
- Printing (including production of recorded media);
- Petroleum & coal product manufacturing;
- Basic chemical & chemical product manufacturing;
- Polymer product & rubber product manufacturing;
- Non-metallic mineral product manufacturing;
- Primary metal & metal product manufacturing;
- Fabricated metal product manufacturing;
- Transport equipment manufacturing;
- Machinery & equipment manufacturing;
- Furniture & other manufacturing;
- Construction services;
- Basic material wholesaling;
- Machinery & equipment wholesaling;
- Motor vehicle & motor vehicle parts wholesaling;
- Grocery, liquor & tobacco product wholesaling;
- Other goods wholesaling;
- Motor vehicle & motor vehicle parts retailing;



- Road transport;
- Rail transport;
- Postal & courier pick-up & delivery services;
- Transport support services;
- Warehousing & storage services;
- Publishing (except internet & music publishing); and
- Repair & maintenance.
- ▶ Commercial Office:
 - Financial & insurance services, nfd⁶;
 - Finance;
 - Insurance & superannuation funds;
 - Auxiliary finance & insurance services;
 - Rental, hiring & real estate services, nfd;
 - Rental & hiring services (except real estate);
 - Property operators & real estate services;
 - Professional, scientific & technical services, nfd;
 - Professional, scientific & technical services (except computer systems design & related services);
 - Computer systems design & related services;
 - Administrative & support services, nfd;
 - Administrative services;
 - Building cleaning, pest control & other support services; and
 - Public administration.
- ▶ Retail:
 - Retail trade, nfd;
 - Fuel retailing;
 - Food retailing;
 - Other store-based retailing; and
 - Non-store retailing & retail commission based buying and/or selling.
- ▶ Education:
 - Education & training, nfd;
 - Preschool & school education;
 - Tertiary education; and
 - Adult, community & other education.
- ▶ Health:
 - Health care & social assistance, nfd;

⁶ nfd – not further defined



- Hospitals;
- Medical & other health care services;
- Residential care services; and
- Social assistance services.
- Public Order & Safety:
 - Public administration & safety, nfd;
 - Defence; and
 - Public order, safety & regulatory services.
- Other:
 - All other two digit ANZSIC industry sectors.

Employment estimates by land use for each of the sub areas was generated, based on the 2010 two digit ANZSIC employment by industry estimates (as presented in **Appendix C**) and the distribution of employment by sub area (as summarised in **Table 6-5**).

In 2010, employment was estimated at:

- Fitzroy Planning Area: 2,330 persons, comprising:
 - Gracemere – 1,222 persons;
 - Stanwell Industrial Corridor – 541 persons; and
 - Fitzroy Rural – 567 persons.
- Livingstone Planning Area: 7,715 persons, comprising:
 - Emu Park & Surrounds – 387 persons;
 - Kinka Beach & Surrounds – 133 persons;
 - Livingstone Rural Balance – 971 persons;
 - The Caves / Rockyview – 2,181 persons; and
 - Yeppoon & Surrounds – 4,044 persons.
- Mount Morgan Planning Area: 442 persons, comprising:
 - Mount Morgan Township – 423 persons; and
 - Mount Morgan Rural – 19 persons.
- Rockhampton Planning Area: 33,383 persons, comprising:
 - Airport – 2,656 persons;
 - CBD – 8,441 persons;
 - North Rockhampton Balance – 14 persons;
 - North Rockhampton Commercial Corridor – 3,778 persons;
 - North Rockhampton Industrial – 1,358 persons;
 - North Rockhampton Residential – 3,545 persons;
 - Parkhurst – Kawana Industrial Corridor – 5,471 persons;
 - South Rockhampton Industrial – 1,601 persons;
 - South Rockhampton Balance – 158 persons;

- South Rockhampton Commercial Corridor – 2,642 persons; and
- South Rockhampton Residential – 3,718 persons.

Table 6-6 below provides a summary of the current estimated employment by land use by sub area.

Table 6-6 Estimated Employment by Land Use by Sub Area, 2010

	Industrial	Commercial Office	Retail	Education	Health	Public Order & Safety	Other	Total
Fitzroy Planning Area								
Gracemere	245	192	86	66	140	5	488	1,222
Stanwell Industrial Corridor	469	0	9	61	0	2	0	541
Fitzroy Rural	29	29	14	46	0	3	446	567
Livingstone Planning Area								
Emu Park & Surrounds	0	67	74	46	109	26	65	387
Kinka Beach & Surrounds	111	0	12	0	0	10	0	133
Livingstone Rural Balance	630	0	27	84	155	61	13	971
The Caves / Rockyview	41	0	5	21	0	13	2,100	2,181
Yeppoon & Surrounds	862	1,073	753	708	360	97	191	4,044
Mount Morgan Planning Area								
Mount Morgan Township	27	60	54	80	111	0	90	423
Mount Morgan Rural	18	0	1	0	0	0	0	19
Rockhampton Planning Area								
Airport	183	26	16	44	0	0	2,387	2,656
CBD	839	3,492	1,111	87	6	197	2,710	8,441
North Rockhampton Balance	0	0	3	0	0	11	0	14
North Rockhampton Commercial Corridor	423	572	1,716	419	388	67	194	3,778

	Industrial	Commercial Office	Retail	Education	Health	Public Order & Safety	Other	Total
North Rockhampton Industrial	821	215	138	133	0	52	0	1,358
North Rockhampton Residential	637	111	283	1,330	739	114	330	3,545
Parkhurst – Kawana Industrial Corridor	3,670	282	117	251	539	54	558	5,471
South Rockhampton Industrial	1,321	117	89	45	0	29	0	1,601
South Rockhampton Balance	155	0	0	0	0	3	0	158
South Rockhampton Commercial Corridor	640	181	520	490	711	100	0	2,642
South Rockhampton Residential	81	188	81	1,012	2,245	111	0	3,718

Source: Rockhampton Regional Council (2010), Economic Associates estimates

6.2.2 Projected Employment

6.2.2.1 Fitzroy Planning Area

By 2031, employment within the Fitzroy planning area is projected to be:

- ▶ 2,044 persons in Gracemere;
- ▶ 1,736 persons in Stanwell Industrial Corridor; and
- ▶ 729 persons in Fitzroy Rural.

Within Gracemere, employment is projected to be highest in the other (779 persons by 2031), commercial office (306 persons by 2031) and industrial (300 persons by 2031) sectors.

Within the Stanwell Industrial Corridor, the majority of employment is anticipated to be in the industrial sector increasing from 469 persons in 2010 to 1,453 persons in 2031. Within Fitzroy Rural, employment is projected to be highest in the other sector increasing from 293 persons in 2010 to 525 persons in 2031.



Table 6-7 Projected Employment by Sector, Sub Areas Identified within Fitzroy Planning Area, 2010 - 2031

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Gracemere								
2010	245	192	86	66	140	482	5	1,217
2011	247	200	90	72	144	498	5	1,256
2016	252	219	101	88	157	544	6	1,367
2021	266	246	141	113	181	615	10	1,571
2026	281	275	186	140	207	694	14	1,798
2031	300	306	236	169	235	779	19	2,044
Stanwell Industrial Corridor								
2010	469	0	9	61	0	158	0	697
2011	496	0	9	62	0	160	0	727
2016	600	1	10	63	1	164	0	839
2021	839	3	12	64	2	171	0	1,091
2026	1,123	5	14	66	4	178	1	1,390
2031	1,453	6	17	67	5	186	1	1,736
Fitzroy Rural								
2010	29	29	14	46	0	293	5	416
2011	31	29	15	47	0	310	5	435
2016	36	30	15	48	1	354	5	489
2021	50	32	17	49	2	407	5	561
2026	65	33	20	50	4	464	5	642
2031	84	35	23	52	5	525	5	729

Source: Economic Associates estimates

6.2.2.2 Livingstone Planning Area

By 2031, employment within the Livingstone planning area is projected to be:

- 877 persons in Emu Park & Surrounds;
- 312 persons in Kinka Beach & Surrounds;
- 2,389 persons in Livingstone Rural Balance;
- 564 persons in The Caves / Rockyview; and
- 7,263 persons in Yeppoon & Surrounds.

Within Emu Park & Surrounds, employment is projected to be highest in the other (401 persons by 2031) and health (182 persons by 2031) sectors. Within Kinka Beach & Surrounds and Livingstone Rural Balance, the majority of employment is anticipated to be within other (148 and 1,000 persons by 2031 respectively) and industrial (144 and 968 persons by 2031 respectively). Employment within The Caves / Rockyview sub area is projected to be highest in public order and safety (278 persons by 2031) and other (196 persons by 2031).

Within the Livingstone planning area, Yeppoon & Surrounds is the most significant sub area in terms of employment. By 2031, employment is projected to be highest in the commercial office (1,665 persons), other (1,536 persons) and industrial (1,326 persons) sectors.

Table 6-8 Projected Employment by Sector, Sub Areas Identified within Livingstone Planning Area, 2010 - 2031

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Emu Park & Surrounds								
2010	0	67	74	46	109	301	6	602
2011	0	68	78	47	112	308	6	619
2016	0	73	87	51	121	328	6	666
2021	0	81	97	56	140	351	7	732
2026	0	89	109	62	160	376	8	804
2031	0	98	120	67	182	401	9	877
Kinka Beach & Surrounds								
2010	111	0	12	0	0	111	0	234
2011	113	0	13	0	0	114	0	239
2016	120	0	14	0	0	121	0	256
2021	128	0	16	0	0	129	0	273
2026	136	0	18	0	0	139	0	293
2031	144	0	20	0	0	148	0	312

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Livingstone Rural Balance								
2010	630	0	27	84	155	699	1	1,597
2011	654	0	28	87	160	724	1	1,654
2016	729	0	29	94	173	792	1	1,818
2021	803	0	31	103	199	858	1	1,996
2026	885	0	33	114	229	931	2	2,193
2031	968	0	35	125	259	1,000	2	2,389
The Caves / Rockyview								
2010	41	0	5	21	0	147	184	399
2011	42	0	6	22	0	150	190	410
2016	44	0	7	23	0	160	205	439
2021	46	0	7	26	0	171	228	478
2026	48	0	8	29	0	183	253	521
2031	50	0	9	31	0	196	278	564
Yeppoon & Surrounds								
2010	862	1,073	753	708	360	1,111	17	4,884
2011	895	1,107	775	730	371	1,144	17	5,040
2016	998	1,198	836	790	402	1,235	19	5,478
2021	1,100	1,342	906	871	463	1,330	21	6,033
2026	1,213	1,501	983	960	531	1,435	23	6,645
2031	1,326	1,665	1,059	1,049	602	1,536	25	7,263

Source: Economic Associates estimates

6.2.2.3 Mount Morgan Planning Area

Within the Mount Morgan planning area, employment within the sub areas in 2031 is projected to be:

- ▶ 534 persons in Mount Morgan Township; and
- ▶ 44 persons in Mount Morgan Rural.

Within Mount Morgan Township, employment is projected to be highest in the health (141 persons by 2031) and education (102 persons by 2031) sectors. In Mount Morgan Rural, the majority of employment is anticipated to be split between industrial (20 persons by 2031) and other (14 persons by 2031).

Table 6-9 Projected Employment by Sector, Sub Areas Identified within Mount Morgan Planning Area, 2010 - 2031

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Mount Morgan Township								
2010	27	60	54	80	111	84	0	417
2011	29	61	56	82	114	86	0	428
2016	33	65	59	88	121	91	0	457
2021	37	69	62	92	127	94	0	482
2026	41	72	66	97	134	97	0	508
2031	46	76	69	102	141	101	0	534
Mount Morgan Rural								
2010	18	0	1	0	0	6	0	25
2011	18	0	1	0	0	7	0	27
2016	18	1	2	1	1	9	0	32
2021	19	1	2	1	2	11	0	36
2026	19	1	2	2	3	12	0	40
2031	20	2	3	2	3	14	0	44

Source: Economic Associates estimates

6.2.2.4 Rockhampton Planning Area

By 2031, employment in the sub areas of Rockhampton planning area is projected to be:

- 615 persons in the Airport;
- 8,516 persons in the CBD;
- 106 persons in Rockhampton Balance;
- 4,648 persons in the North Rockhampton Commercial Corridor;
- 1,906 persons in North Rockhampton Industrial;
- 4,584 persons in North Rockhampton Residential;
- 6,564 persons in the Parkhurst-Kawana Industrial Corridor;
- 2,041 persons in South Rockhampton Industrial;
- 201 persons in South Rockhampton Balance;
- 3,844 persons in the South Rockhampton Commercial Corridor; and
- 5,148 persons in South Rockhampton Residential.

The majority of employment in the Airport sub area is split between public order and safety (322 persons by 2031) and industrial (197 persons by 2031). In the CBD, employment is anticipated to be highest in the commercial office (4,032 persons by 2031), other (1,875 persons by 2031) and retail (1,284 persons by 2031) sectors.

The majority of employment in the North Rockhampton Balance sub area is projected to be in other (103 persons by 2031). Employment in the North Rockhampton Commercial Corridor is anticipated to be highest in the retail (1,961 persons by 2031), commercial office (644 persons by 2031) and other (641 persons by 2031) sectors.

The industrial sector is anticipated to account for a significant proportion of employment (over 45%) in the North Rockhampton Industrial (889 persons by 2031), Parkhurst-Kawana Industrial Corridor (4,662 persons by 2031), South Rockhampton Industrial (1,492 persons by 2031) and South Rockhampton Balance (169 persons by 2031) sub areas.

In the North Rockhampton Residential sub area employment is projected to be highest in the education (1,525 persons by 2031) and other (1,091 persons by 2031) sectors. In the South Rockhampton Commercial Corridor, employment is anticipated to be highest in the other (958 persons by 2031) and health (805 persons by 2031) sectors. In the South Rockhampton Residential sub area employment is anticipated to be highest in the health (2,542 persons by 2031) and education (1,160 persons by 2031) sectors.

Table 6-10 Projected Employment by Sector, Sub Areas Identified within Rockhampton Planning Area, 2010 - 2031

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Airport								
2010	183	26	16	44	0	0	285	554
2011	185	26	16	44	0	0	291	562
2016	189	27	16	47	0	0	304	584
2021	192	28	16	48	0	0	310	593
2026	194	29	16	49	0	0	316	603
2031	197	29	16	50	0	0	322	615
CBD								
2010	839	3,492	1,111	87	6	1,645	324	7,504
2011	840	3,567	1,135	89	6	1,678	330	7,645
2016	845	3,751	1,193	93	6	1,756	345	7,990
2021	847	3,839	1,221	95	7	1,793	352	8,155
2026	850	3,929	1,250	97	7	1,831	358	8,323
2031	852	4,032	1,284	100	7	1,875	366	8,516



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
North Rockhampton Balance								
2010	0	0	3	0	0	90	0	94
2011	0	0	3	0	0	92	0	95
2016	0	0	3	0	0	96	0	100
2021	0	0	3	0	0	98	0	102
2026	0	0	3	0	0	100	0	104
2031	0	0	3	0	0	103	0	106
North Rockhampton Commercial Corridor								
2010	423	572	1,716	419	388	563	23	4,103
2011	427	582	1,750	427	395	574	24	4,178
2016	439	607	1,832	447	413	601	25	4,363
2021	444	618	1,872	457	421	614	25	4,452
2026	450	630	1,914	468	429	627	26	4,543
2031	457	644	1,961	480	439	641	26	4,648
North Rockhampton Industrial								
2010	821	215	138	133	0	435	0	1,741
2011	830	216	139	135	0	444	0	1,764
2016	853	220	141	141	0	465	0	1,820
2021	864	222	142	145	0	475	0	1,847
2026	876	224	142	148	0	485	0	1,875
2031	889	226	144	152	0	496	0	1,906
North Rockhampton Residential								
2010	637	111	283	1,330	739	958	39	4,098
2011	639	112	287	1,356	754	977	40	4,165
2016	644	114	299	1,419	789	1,022	42	4,329
2021	646	116	305	1,452	804	1,044	43	4,409
2026	648	117	311	1,486	819	1,066	44	4,491
2031	651	118	317	1,525	837	1,091	45	4,584
Parkhurst-Kawana Industrial Corridor								
2010	3,670	282	117	251	539	451	67	5,377



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
2011	3,801	284	118	256	549	460	68	5,535
2016	4,140	287	120	268	575	481	71	5,942
2021	4,304	289	121	274	586	491	72	6,137
2026	4,471	291	122	281	597	502	74	6,337
2031	4,662	293	123	288	610	514	75	6,564
South Rockhampton Industrial								
2010	1,321	117	89	45	0	241	0	1,814
2011	1,344	119	89	46	0	246	0	1,844
2016	1,402	123	91	48	0	258	0	1,922
2021	1,431	124	92	49	0	263	0	1,959
2026	1,460	126	93	50	0	269	0	1,998
2031	1,492	128	94	52	0	275	0	2,041
South Rockhampton Balance								
2010	155	0	0	0	0	28	0	183
2011	157	0	0	0	0	29	0	185
2016	161	0	0	0	0	30	0	191
2021	164	0	0	0	0	31	0	194
2026	166	0	0	0	0	31	0	197
2031	169	0	0	0	0	32	0	201
South Rockhampton Commercial Corridor								
2010	640	181	520	490	711	841	0	3,383
2011	644	189	532	499	725	857	0	3,447
2016	656	208	561	523	759	898	0	3,604
2021	662	218	575	535	774	917	0	3,679
2026	667	227	590	547	788	936	0	3,756
2031	674	238	606	561	805	958	0	3,844
South Rockhampton Residential								
2010	81	188	81	1,012	2,245	927	0	4,534
2011	83	189	84	1,031	2,289	945	0	4,621
2016	87	191	90	1,079	2,395	989	0	4,833

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
2021	90	193	94	1,104	2,441	1,010	0	4,932
2026	92	194	97	1,130	2,488	1,032	0	5,033
2031	95	195	101	1,160	2,542	1,056	0	5,148

Source: Economic Associates estimates

6.3 Projected Net Land Demand

Employment estimates have been converted into net land demand estimates, using the following employment densities:

- Industrial – 25 employees per hectare;
- Commercial office – 250 employees per hectare;
- Retail – 170 employees per hectare;
- Education – 100 employees per hectare;
- Health – 100 employees per hectare;
- Other – 100 employees per hectare; and
- Public order & safety – 100 employees per hectare.

These employment densities have been derived through consultation with key stakeholders in Rockhampton Regional Council and from previous consultancies in Central Queensland.

6.3.1 Fitzroy Planning Area

By 2031, within Fitzroy Planning Area there is projected to be net incremental land demand of 53.1 hectares, comprising:

- 8.6 hectares in Gracemere;
- 39.8 hectares in Stanwell Industrial Corridor; and
- 4.7 hectares in Fitzroy Rural.

Industrial is anticipated to be a key driver of net incremental land demand within all sub areas, accounting for 82.3% of net incremental demand in 2031.

Table 6-11 below summarises net land demand within each of the sub areas of Fitzroy Planning Area between 2010 and 2031.

Table 6-11 Projected Net Land Demand (ha), Sub Areas of Fitzroy Planning Area, 2010-31

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Gracemere								
2010	9.8	0.8	0.5	0.7	1.4	4.8	0.0	18.0



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
2011	9.9	0.8	0.5	0.7	1.4	5.0	0.1	18.4
2016	10.1	0.9	0.6	0.9	1.6	5.4	0.1	19.5
2021	10.6	1.0	0.8	1.1	1.8	6.2	0.1	21.6
2026	11.3	1.1	1.1	1.4	2.1	6.9	0.1	24.0
2031	12.0	1.2	1.4	1.7	2.4	7.8	0.2	26.6
Change, 2010-31	2.2	0.5	0.9	1.0	1.0	3.0	0.1	8.6
Stanwell Industrial Corridor								
2010	18.8	0.0	0.1	0.6	0.0	1.6	0.0	21.0
2011	19.8	0.0	0.1	0.6	0.0	1.6	0.0	22.1
2016	24.0	0.0	0.1	0.6	0.0	1.6	0.0	26.3
2021	33.5	0.0	0.1	0.6	0.0	1.7	0.0	36.0
2026	44.9	0.0	0.1	0.7	0.0	1.8	0.0	47.5
2031	58.1	0.0	0.1	0.7	0.1	1.9	0.0	60.8
Change, 2010-31	39.4	0.0	0.0	0.1	0.1	0.3	0.0	39.8
Fitzroy Rural								
2010	1.2	0.1	0.1	0.5	0.0	2.9	0.0	4.8
2011	1.2	0.1	0.1	0.5	0.0	3.1	0.0	5.0
2016	1.5	0.1	0.1	0.5	0.0	3.5	0.0	5.7
2021	2.0	0.1	0.1	0.5	0.0	4.1	0.0	6.8
2026	2.6	0.1	0.1	0.5	0.0	4.6	0.1	8.1
2031	3.3	0.1	0.1	0.5	0.1	5.2	0.1	9.5
Change, 2010-31	2.2	0.0	0.0	0.1	0.1	2.3	0.0	4.7

Source: Economic Associates estimates

6.3.2 Livingstone Planning Area

By 2031, within Livingstone Planning Area there is projected to be net incremental land demand of 56.9 hectares, comprising:

- ▶ 2.4 hectares in Emu Park & Surrounds;
- ▶ 1.8 hectares in Kinka Beach & Surrounds;
- ▶ 18.0 hectares in Livingstone Rural Balance;
- ▶ 1.9 hectares in The Caves / Rockyview; and
- ▶ 32.9 hectares in Yeppoon & Surrounds.

Industrial is anticipated to be a key driver of net incremental land demand, accounting for 59.3% of net incremental demand in Livingstone Planning Area in 2031.

Table 6-12 below summarises net land demand within each of the sub areas of Livingstone Planning Area between 2010 and 2031.

Table 6-12 Projected Net Land Demand (ha), Sub Areas of Livingstone Planning Area, 2010-31

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Emu Park & Surrounds								
2010	0.0	0.3	0.4	0.5	1.1	3.0	0.1	5.3
2011	0.0	0.3	0.5	0.5	1.1	3.1	0.1	5.5
2016	0.0	0.3	0.5	0.5	1.2	3.3	0.1	5.9
2021	0.0	0.3	0.6	0.6	1.4	3.5	0.1	6.4
2026	0.0	0.4	0.6	0.6	1.6	3.8	0.1	7.1
2031	0.0	0.4	0.7	0.7	1.8	4.0	0.1	7.7
Change, 2010-31	0.0	0.1	0.3	0.2	0.7	1.0	0.0	2.4
Kinka Beach & Surrounds								
2010	4.4	0.0	0.1	0.0	0.0	1.1	0.0	5.6
2011	4.5	0.0	0.1	0.0	0.0	1.1	0.0	5.7
2016	4.8	0.0	0.1	0.0	0.0	1.2	0.0	6.1
2021	5.1	0.0	0.1	0.0	0.0	1.3	0.0	6.5
2026	5.4	0.0	0.1	0.0	0.0	1.4	0.0	6.9
2031	5.8	0.0	0.1	0.0	0.0	1.5	0.0	7.4
Change, 2010-31	1.3	0.0	0.0	0.0	0.0	0.4	0.0	1.8



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Livingstone Rural Balance								
2010	25.2	0.0	0.2	0.8	1.6	7.0	0.0	34.8
2011	26.2	0.0	0.2	0.9	1.6	7.2	0.0	36.1
2016	29.2	0.0	0.2	0.9	1.7	7.9	0.0	39.9
2021	32.1	0.0	0.2	1.0	2.0	8.6	0.0	43.9
2026	35.4	0.0	0.2	1.1	2.3	9.3	0.0	48.3
2031	38.7	0.0	0.2	1.2	2.6	10.0	0.0	52.8
Change, 2010-31	13.5	0.0	0.0	0.4	1.0	3.0	0.0	18.0
The Caves / Rockyview								
2010	1.7	0.0	0.0	0.2	0.0	1.5	1.8	5.2
2011	1.7	0.0	0.0	0.2	0.0	1.5	1.9	5.3
2016	1.8	0.0	0.0	0.2	0.0	1.6	2.1	5.7
2021	1.8	0.0	0.0	0.3	0.0	1.7	2.3	6.1
2026	1.9	0.0	0.0	0.3	0.0	1.8	2.5	6.6
2031	2.0	0.0	0.1	0.3	0.0	2.0	2.8	7.1
Change, 2010-31	0.3	0.0	0.0	0.1	0.0	0.5	0.9	1.9
Yeppoon & Surrounds								
2010	34.5	4.3	4.4	7.1	3.6	11.1	0.2	65.2
2011	35.8	4.4	4.6	7.3	3.7	11.4	0.2	67.4
2016	39.9	4.8	4.9	7.9	4.0	12.3	0.2	74.1
2021	44.0	5.4	5.3	8.7	4.6	13.3	0.2	81.6
2026	48.5	6.0	5.8	9.6	5.3	14.3	0.2	89.8
2031	53.1	6.7	6.2	10.5	6.0	15.4	0.3	98.1
Change, 2010-31	18.6	2.4	1.8	3.4	2.4	4.3	0.1	32.9

Source: Economic Associates estimates

6.3.3 Mount Morgan Planning Area

By 2031, within Mount Morgan Planning Area there is projected to be net incremental land demand of 1.8 hectares, comprising:

- 1.6 hectares in Mount Morgan Township; and

- 0.2 hectares in Mount Morgan Rural.

Industrial is anticipated to be a key driver of net incremental land demand, accounting for 45.2% of net incremental demand in Mount Morgan Planning Area in 2031.

Table 6-13 below summarises net land demand within each of the sub areas of Mount Morgan Planning Area between 2010 and 2031.

Table 6-13 Projected Net Land Demand (ha), Sub Areas of Mount Morgan Planning Area, 2010-2031

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Mount Morgan Township								
2010	1.1	0.2	0.3	0.8	1.1	0.8	0.0	4.4
2011	1.2	0.2	0.3	0.8	1.1	0.9	0.0	4.5
2016	1.3	0.3	0.3	0.9	1.2	0.9	0.0	4.9
2021	1.5	0.3	0.4	0.9	1.3	0.9	0.0	5.3
2026	1.6	0.3	0.4	1.0	1.3	1.0	0.0	5.6
2031	1.8	0.3	0.4	1.0	1.4	1.0	0.0	6.0
Change, 2010-31	0.7	0.1	0.1	0.2	0.3	0.2	0.0	1.6
Mount Morgan Rural								
2010	0.7	0.0	0.0	0.0	0.0	0.1	0.0	0.8
2011	0.7	0.0	0.0	0.0	0.0	0.1	0.0	0.8
2016	0.7	0.0	0.0	0.0	0.0	0.1	0.0	0.9
2021	0.7	0.0	0.0	0.0	0.0	0.1	0.0	0.9
2026	0.8	0.0	0.0	0.0	0.0	0.1	0.0	1.0
2031	0.8	0.0	0.0	0.0	0.0	0.1	0.0	1.0
Change, 2010-31	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.2

Source: Economic Associates estimates

6.3.4 Rockhampton Planning Area

By 2031, within Rockhampton Planning Area there is projected to be net incremental land demand of 82.2 hectares, comprising:

- 1.0 hectares in Airport;
- 6.6 hectares in CBD;
- 0.1 hectares in North Rockhampton Balance;

- ▶ 5.0 hectares in North Rockhampton Commercial Corridor;
- ▶ 3.6 hectares in North Rockhampton Industrial;
- ▶ 5.1 hectares in North Rockhampton Residential;
- ▶ 41.5 hectares in Parkhurst-Kawana Industrial Corridor;
- ▶ 7.3 hectares in South Rockhampton Industrial;
- ▶ 0.6 hectares in South Rockhampton Balance;
- ▶ 4.9 hectares in South Rockhampton Commercial Corridor; and
- ▶ 6.4 hectares in South Rockhampton Residential.

Industrial is anticipated to be a key driver of net incremental land demand, accounting for 66.5% of net incremental demand in Mount Morgan Planning Area in 2031.

Table 6-14 below summarises net land demand within each of the sub areas of Rockhampton Planning Area between 2010 and 2031.

Table 6-14 Projected Net Land Demand (ha), Sub Areas of Rockhampton Planning Area, 2010-2031

Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
Airport								
2010	7.3	0.1	0.1	0.4	0.0	0.0	2.9	10.8
2011	7.4	0.1	0.1	0.4	0.0	0.0	2.9	10.9
2016	7.6	0.1	0.1	0.5	0.0	0.0	3.0	11.3
2021	7.7	0.1	0.1	0.5	0.0	0.0	3.1	11.4
2026	7.8	0.1	0.1	0.5	0.0	0.0	3.2	11.6
2031	7.9	0.1	0.1	0.5	0.0	0.0	3.2	11.8
Change, 2010-31	0.5	0.0	0.0	0.1	0.0	0.0	0.4	1.0
CBD								
2010	33.5	14.0	6.5	0.9	0.1	16.5	3.2	74.7
2011	33.6	14.3	6.7	0.9	0.1	16.8	3.3	75.6
2016	33.8	15.0	7.0	0.9	0.1	17.6	3.5	77.8
2021	33.9	15.4	7.2	1.0	0.1	17.9	3.5	78.9
2026	34.0	15.7	7.4	1.0	0.1	18.3	3.6	80.0
2031	34.1	16.1	7.6	1.0	0.1	18.7	3.7	81.3
Change, 2010-31	0.5	2.2	1.0	0.1	0.0	2.3	0.4	6.6



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
North Rockhampton Balance								
2010	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9
2011	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.9
2016	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0
2021	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0
2026	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0
2031	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0
Change, 2010-31	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
North Rockhampton Commercial Corridor								
2010	16.9	2.3	10.1	4.2	3.9	5.6	0.2	43.2
2011	17.1	2.3	10.3	4.3	4.0	5.7	0.2	43.9
2016	17.6	2.4	10.8	4.5	4.1	6.0	0.2	45.6
2021	17.8	2.5	11.0	4.6	4.2	6.1	0.3	46.4
2026	18.0	2.5	11.3	4.7	4.3	6.3	0.3	47.3
2031	18.3	2.6	11.5	4.8	4.4	6.4	0.3	48.2
Change, 2010-31	1.4	0.3	1.4	0.6	0.5	0.8	0.0	5.0
North Rockhampton Industrial								
2010	32.8	0.9	0.8	1.3	0.0	4.4	0.0	40.2
2011	33.2	0.9	0.8	1.4	0.0	4.4	0.0	40.7
2016	34.1	0.9	0.8	1.4	0.0	4.6	0.0	41.9
2021	34.6	0.9	0.8	1.4	0.0	4.7	0.0	42.5
2026	35.0	0.9	0.8	1.5	0.0	4.8	0.0	43.1
2031	35.6	0.9	0.8	1.5	0.0	5.0	0.0	43.8
Change, 2010-31	2.7	0.0	0.0	0.2	0.0	0.6	0.0	3.6
North Rockhampton Residential								
2010	25.5	0.4	1.7	13.3	7.4	9.6	0.4	58.3
2011	25.6	0.4	1.7	13.6	7.5	9.8	0.4	59.0
2016	25.7	0.5	1.8	14.2	7.9	10.2	0.4	60.7



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
2021	25.8	0.5	1.8	14.5	8.0	10.4	0.4	61.5
2026	25.9	0.5	1.8	14.9	8.2	10.7	0.4	62.4
2031	26.0	0.5	1.9	15.2	8.4	10.9	0.4	63.3
Change, 2010-31	0.5	0.0	0.2	1.9	1.0	1.3	0.1	5.1
Parkhurst-Kawana Industrial Corridor								
2010	146.8	1.1	0.7	2.5	5.4	4.5	0.7	161.7
2011	152.0	1.1	0.7	2.6	5.5	4.6	0.7	167.2
2016	165.6	1.1	0.7	2.7	5.7	4.8	0.7	181.4
2021	172.2	1.2	0.7	2.7	5.9	4.9	0.7	188.3
2026	178.9	1.2	0.7	2.8	6.0	5.0	0.7	195.3
2031	186.5	1.2	0.7	2.9	6.1	5.1	0.8	203.2
Change, 2010-31	39.7	0.0	0.0	0.4	0.7	0.6	0.1	41.5
South Rockhampton Industrial								
2010	52.9	0.5	0.5	0.4	0.0	2.4	0.0	56.7
2011	53.8	0.5	0.5	0.5	0.0	2.5	0.0	57.7
2016	56.1	0.5	0.5	0.5	0.0	2.6	0.0	60.2
2021	57.2	0.5	0.5	0.5	0.0	2.6	0.0	61.4
2026	58.4	0.5	0.5	0.5	0.0	2.7	0.0	62.6
2031	59.7	0.5	0.6	0.5	0.0	2.7	0.0	64.0
Change, 2010-31	6.8	0.0	0.0	0.1	0.0	0.3	0.0	7.3
South Rockhampton Balance								
2010	6.2	0.0	0.0	0.0	0.0	0.3	0.0	6.5
2011	6.3	0.0	0.0	0.0	0.0	0.3	0.0	6.6
2016	6.5	0.0	0.0	0.0	0.0	0.3	0.0	6.8
2021	6.5	0.0	0.0	0.0	0.0	0.3	0.0	6.9
2026	6.6	0.0	0.0	0.0	0.0	0.3	0.0	6.9
2031	6.7	0.0	0.0	0.0	0.0	0.3	0.0	7.1
Change, 2010-31	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.6



Year	Industrial	Commercial Office	Retail	Education	Health	Other	Public Order & Safety	Total
South Rockhampton Commercial Corridor								
2010	25.6	0.7	3.1	4.9	7.1	8.4	0.0	49.8
2011	25.8	0.8	3.1	5.0	7.3	8.6	0.0	50.5
2016	26.2	0.8	3.3	5.2	7.6	9.0	0.0	52.2
2021	26.5	0.9	3.4	5.3	7.7	9.2	0.0	53.0
2026	26.7	0.9	3.5	5.5	7.9	9.4	0.0	53.8
2031	27.0	1.0	3.6	5.6	8.1	9.6	0.0	54.7
Change, 2010-31	1.4	0.2	0.5	0.7	0.9	1.2	0.0	4.9
South Rockhampton Residential								
2010	3.2	0.8	0.5	10.1	22.5	9.3	0.0	46.3
2011	3.3	0.8	0.5	10.3	22.9	9.5	0.0	47.2
2016	3.5	0.8	0.5	10.8	24.0	9.9	0.0	49.4
2021	3.6	0.8	0.6	11.0	24.4	10.1	0.0	50.5
2026	3.7	0.8	0.6	11.3	24.9	10.3	0.0	51.5
2031	3.8	0.8	0.6	11.6	25.4	10.6	0.0	52.7
Change, 2010-31	0.5	0.0	0.1	1.5	3.0	1.3	0.0	6.4

Source: Economic Associates estimates



ECONOMIC ASSOCIATES

Appendix A

Agricultural Data Tables



Fruit (Area)

Table A-1 Fruit Area, Rockhampton Regional Council, 2000-01 and 2005-06 (hectares, number of trees)

Commodity	Other Orchard Fruit				Plantation Fruit				Total			
	2000-01		2005-06		2000-01		2005-06		2000-01		2005-06	
	n ¹	% of QLD	n	% of QLD	ha	% of QLD	ha	% of QLD	ha	% of QLD	ha	% of QLD
Fitzroy Planning Area	23,766	1.4%	15,008	0.6%	-	-	12	0.1%	-	-	87	0.2%
Livingstone Planning Area	27,481	1.6%	218,574	8.4%	628	4.2%	775	4.4%	-	-	1,604	2.8%
Mount Morgan Planning Area	-	-	-	-	-	-	-	-	-	-	-	-
Rockhampton Planning Area	-	-	1,044	0.0%	-	-	-	-	-	-	13	0.0%
Rockhampton RC	51,247	3.0%	234,626	9.0%	628	4.2%	787	4.4%	-	-	1,704	3.0%
Fitzroy SD	111,867	6.6%	272,610	10.4%	686	4.6%	796	4.5%	-	-	3,627	6.4%
Queensland	1,682,669	100.0%	2,614,878	100.0%	15,061	100.0%	17,727	100.0%	-	-	56,403	100.0%

Source: ABS (2006-07)
Note 1: Number of trees.



Fruit (Production)

Table A-2 Fruit Production, Rockhampton Regional Council, 2000-01 and 2005-06 (tonnes)

Commodity	Other Orchard Fruit				Plantation Fruit				Other				Total			
	2000-01		2005-06		2000-01		2005-06		2000-01		2005-06		2000-01		2005-06	
	t	% of QLD	t	% of QLD	t	% of QLD	t	% of QLD	t	% of QLD	t	% of QLD	t	% of QLD	t	% of QLD
Fitzroy Planning Area	392	0.8%	289	0.6%	0	0.0%	270	0.1%	63	0.1%	3	0.0%	454	0.1%	562	0.1%
Livingstone Planning Area	372	0.8%	264	0.6%	13,140	3.0%	16,147	5.0%	253	0.2%	108	0.1%	13,765	2.4%	16,519	3.3%
Mount Morgan Planning Area	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rockhampton Planning Area	-	-	-	-	-	-	-	-	4	0.0%	11	0.0%	4	0.0%	11	0.0%
Rockhampton RC	764	1.6%	553	1.2%	13,140	3.0%	16,417	5.1%	320	0.3%	122	0.1%	14,224	2.4%	17,092	3.4%
Fitzroy SD	1,530	3.1%	1,085	2.3%	13,543	3.1%	16,538	5.1%	8,300	7.9%	3,804	2.8%	23,373	4.0%	21,427	4.2%
Queensland	48,923	100.0%	47,290	100.0%	431,185	100.0%	323,931	100.0%	104,459	100.0%	134,640	100.0%	584,566	100.0%	505,861	100.0%

Source: ABS (2006-07)

**Fruit (Value)****Table A-3 Fruit Value, Rockhampton Regional Council, 2005-06 (\$m)**

Commodity	Other Orchard Fruit		Plantation Fruit		Other		Total	
	\$m	% of QLD	\$m	% of QLD	\$m	% of QLD	\$m	% of QLD
Fitzroy Planning Area	0.74	0.5%	0.13	0.0%	0.01	0.0%	0.87	0.1%
Livingstone Planning Area	15.62	10.7%	8.34	1.7%	0.27	0.1%	24.23	2.7%
Mount Morgan Planning Area	0.00	0.0%	0.00	0.0%	0.00	0.0%	0.00	0.0%
Rockhampton Planning Area	0.00	0.0%	0.00	0.0%	0.03	0.0%	0.03	0.0%
Rockhampton RC	16.36	11.2%	8.46	1.8%	0.31	0.1%	25.13	2.8%
Fitzroy SD	17.67	12.1%	8.64	1.8%	10.02	3.6%	36.32	4.0%
Queensland	145.55	100.0%	483.00	100.0%	282.22	100.0%	910.77	100.0%

Source: ABS (2006-07)

**Vegetables for Human Consumption (Area)****Table A-4 Vegetables Area, Rockhampton Regional Council, 2000-01 and 2005-06 (Hectares)**

Commodity	Sweet Potatoes				Other				Total			
	2000-01		2005-06		2000-01		2005-06		2000-01		2005-06	
	ha	% of QLD	ha	% of QLD	ha	% of QLD	ha	% of QLD	ha	% of QLD	ha	% of QLD
Fitzroy Planning Area	-	-	0	0.0%	106	0.3%	70	0.2%	106	0.3%	71	0.2%
Livingstone Planning Area	-	-	98	7.8%	118	0.4%	118	0.3%	118	0.4%	218	0.6%
Mount Morgan Planning Area	-	-	-	-	-	-	-	-	-	-	-	-
Rockhampton Planning Area	-	-	-	-	1	0.0%	18	0.1%	1	0.0%	18	0.0%
Rockhampton RC	-	-	98	7.8%	225	0.7%	206	0.6%	225	0.7%	307	0.8%
Fitzroy SD	-	-	98	7.8%	651	1.9%	491	1.4%	651	1.9%	592	1.6%
Queensland	-	-	1,255	100.0%	33,643	100.0%	35,867	100.0%	33,643	100.0%	37,668	100.0%

Source: ABS (2006-07)



Vegetables for Human Consumption (Production)

Table A-5 Vegetables Production, Rockhampton Regional Council, 2000-01 and 2005-06 (Tonnes)

Commodity	Sweet Potatoes				Other				Total			
	2000-01		2005-06		2000-01		2005-06		2000-01		2005-06	
	t	% of QLD	t	% of QLD	t	% of QLD	t	% of QLD	t	% of QLD	t	% of QLD
Fitzroy Planning Area	-	-	-	-	2,306	0.4%	1,281	0.2%	2,306	0.4%	1,281	0.2%
Livingstone Planning Area	-	-	3,902	11.2%	636	0.1%	761	0.1%	636	0.1%	4,663	0.6%
Mount Morgan Planning Area	-	-	-	-	-	-	-	-	-	-	-	-
Rockhampton Planning Area	-	-	-	-	2	0.0%	226	0.0%	2	0.0%	226	0.0%
Rockhampton RC	-	-	3,902	11.2%	2,945	0.5%	2,268	0.3%	2,945	0.5%	6,170	0.8%
Fitzroy SD	-	-	3,902	11.2%	12,775	2.1%	11,036	1.6%	12,775	2.1%	14,938	2.0%
Queensland	-	-	34,823	100.0%	607,740	100.0%	711,371	100.0%	607,740	100.0%	746,194	100.0%

Source: ABS (2006-07)



Livestock (Production)

Table A-6 Livestock Production (Number)

Commodity	Meat Cattle				Sales of Horses			
	2000-01		2005-06		2000-01		2005-06	
	n	% of QLD	n	% of QLD	n	% of QLD	n	% of QLD
Fitzroy Planning Area	123,276	1.1%	107,945	1.0%	-	-	8,702	23.0%
Livingstone Planning Area	153,201	1.4%	135,034	1.2%	-	-	83	0.2%
Mount Morgan Planning Area	4,997	0.0%	4,493	0.0%	-	-	-	-
Rockhampton Planning Area	350	0.0%	1,161	0.0%	-	-	-	-
Rockhampton RC	281,824	2.5%	248,633	2.2%	-	-	8,785	23.2%
Fitzroy SD	1,998,853	18.0%	1,901,503	16.7%	-	-	9,378	24.8%
Queensland	11,087,566	100.0%	11,353,920	100.0%	-	-	37,803	100.0%

Source: ABS (2006-07)

**Livestock Slaughtered (Value)****Table A-7 Livestock Slaughtered Value, Rockhampton Regional Council, 2005-06 (\$m)**

Commodity	Cattle and Calves		Other		Total	
	\$m	% of QLD	\$m	% of QLD	\$m	% of QLD
Fitzroy Planning Area	49.52	1.4%	0.81	0.2%	50.33	1.2%
Livingstone Planning Area	28.80	0.8%	0.39	0.1%	29.18	0.7%
Mount Morgan Planning Area	2.32	0.1%	0.10	0.0%	2.41	0.1%
Rockhampton Planning Area	0.45	0.0%	0.01	0.0%	0.46	0.0%
Rockhampton RC	81.08	2.2%	1.30	0.3%	82.38	2.0%
Fitzroy SD	601.85	16.7%	11.07	2.1%	612.93	14.9%
Queensland	3,606.68	100.0%	518.48	100.0%	4,125.16	100.0%

Source: ABS (2006-07)

**Livestock Products (Value)****Table A-8 Livestock Products Value, Rockhampton Regional Council, 2005-06 (\$m)**

Commodity	Milk		Other		Total	
	\$m	% of QLD	\$m	% of QLD	\$m	% of QLD
Fitzroy Planning Area	0.46	0.2%	0.00	0.0%	0.46	0.1%
Livingstone Planning Area	1.80	0.8%	0.01	0.0%	1.82	0.4%
Mount Morgan Planning Area	-	-	1.79	0.9%	1.79	0.4%
Rockhampton Planning Area	-	-	-	-	-	-
Rockhampton RC	2.26	1.0%	1.80	0.9%	4.06	1.0%
Fitzroy SD	4.23	1.9%	2.28	1.2%	6.51	1.6%
Queensland	218.44	100.0%	197.36	100.0%	415.80	100.0%

Source: ABS (2006-07)



ECONOMIC ASSOCIATES

Appendix B

Location Quotient and Ratio Tables

Table B-1 Industry Percentage of Employment, Working and Residential Population Location Quotient and Location Quotient Ratio, Fitzroy, Livingstone, Mount Morgan, Rockhampton Planning Areas and Rockhampton Regional Council, 2006

	% of Employment- WPP						Working Population - Location Quotient					Residential - Location Quotient					Ratio - WPP LQ / RP LQ				
	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC	QLD	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC	QLD	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC
Agriculture, forestry and fishing																					
Agriculture, Forestry and Fishing, nfd	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.00	2.65	0.00	0.45	0.80	0.00	0.70	44.19	0.00	1.35	-	3.78	0.00	-	0.59
Agriculture	19.7%	7.0%	4.8%	0.3%	2.5%	3.0%	6.54	2.32	1.58	0.10	0.83	1.12	0.96	0.77	0.97	1.01	5.85	2.43	2.04	0.10	0.82
Aquaculture	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-
Forestry and Logging	0.0%	0.4%	0.0%	0.0%	0.1%	0.1%	0.00	6.31	0.00	0.34	1.35	0.00	3.40	0.00	0.91	1.78	-	1.86	-	0.37	0.76
Fishing, Hunting and Trapping	0.0%	0.3%	0.0%	0.0%	0.1%	0.1%	0.00	3.29	0.00	0.23	0.74	0.00	1.61	0.00	2.02	1.09	-	2.04	-	0.12	0.68
Agriculture, Forestry and Fishing Support Services	0.3%	0.5%	0.0%	0.0%	0.1%	0.2%	1.44	2.29	0.00	0.14	0.58	0.31	0.87	0.00	1.28	0.72	4.66	2.63	-	0.11	0.80
Total	20.0%	8.2%	4.8%	0.4%	2.8%	3.4%	5.85	2.40	1.39	0.11	0.81	2.56	1.41	1.09	0.21	0.82	2.28	1.70	1.27	0.51	0.99
Mining																					
Mining, nfd	0.4%	0.2%	0.0%	0.1%	0.1%	0.1%	3.08	1.70	0.00	0.88	1.13	1.78	0.98	2.66	1.15	1.20	1.74	1.74	0.00	0.77	0.94
Coal Mining	0.2%	0.2%	3.8%	0.1%	0.1%	0.8%	0.26	0.19	4.75	0.12	0.19	1.42	1.56	1.33	1.38	1.47	0.18	0.12	3.58	0.09	0.13
Oil and Gas Extraction	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.00	0.00	0.00	0.17	0.13	0.00	0.00	0.00	0.32	0.13	-	-	-	0.54	1.05
Metal Ore Mining	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.00	0.00	0.00	0.04	0.03	0.00	0.09	0.00	0.13	0.09	-	0.00	-	0.28	0.30
Non-Metallic Mineral Mining and Quarrying	0.8%	0.4%	0.0%	0.0%	0.1%	0.1%	7.61	3.92	0.00	0.30	1.30	0.77	0.73	0.00	0.79	0.75	9.94	5.37	-	0.39	1.74
Exploration and Other Mining Support Services	0.2%	0.4%	0.8%	0.3%	0.3%	0.2%	0.85	1.65	3.17	1.07	1.18	1.16	0.96	1.32	1.31	1.13	0.74	1.71	2.40	0.81	1.04
Total	1.5%	1.1%	4.5%	0.5%	0.7%	1.7%	0.91	0.67	2.70	0.30	0.42	2.53	2.75	1.65	1.16	1.76	0.36	0.25	1.64	0.26	0.24
Manufacturing																					
Manufacturing, nfd	0.7%	0.5%	0.8%	0.6%	0.6%	0.8%	0.83	0.63	0.96	0.74	0.73	1.30	1.09	0.87	0.65	0.82	0.64	0.58	1.10	1.14	0.89
Food Product Manufacturing	2.7%	5.6%	0.0%	2.6%	3.1%	2.0%	1.32	2.74	0.00	1.26	1.51	1.30	1.25	1.81	1.91	1.70	1.01	2.20	0.00	0.66	0.89
Beverage and Tobacco Product Manufacturing	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.00	0.29	0.00	0.65	0.55	0.69	0.91	0.00	0.69	0.72	0.00	0.32	-	0.95	0.76
Textile, Leather, Clothing and Footwear Manufacturing	0.2%	0.3%	0.0%	0.1%	0.2%	0.4%	0.42	0.72	0.00	0.42	0.46	0.75	0.53	1.75	0.35	0.45	0.57	1.35	0.00	1.20	1.02
Wood Product Manufacturing	0.2%	0.5%	0.0%	0.3%	0.3%	0.6%	0.25	0.90	0.00	0.47	0.53	0.66	0.70	0.00	0.52	0.56	0.38	1.28	-	0.91	0.94
Pulp, Paper and Converted Paper Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.00	0.00	0.00	0.22	0.17	0.00	0.30	0.00	0.26	0.24	-	0.00	-	0.83	0.70
Printing (including Reproduction of Recorded Media)	0.0%	0.2%	0.0%	0.1%	0.1%	0.4%	0.00	0.43	0.00	0.36	0.35	0.61	0.57	0.00	0.35	0.42	0.00	0.75	-	1.04	0.84
Petroleum and Coal Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.00	0.00	0.00	0.22	0.17	0.00	0.00	0.00	0.42	0.28	-	-	-	0.51	0.60
Basic Chemical and Chemical Product Manufacturing	1.6%	0.1%	0.0%	0.1%	0.2%	0.3%	4.92	0.19	0.00	0.30	0.51	1.41	0.59	0.00	0.59	0.66	3.48	0.32	-	0.50	0.77
Polymer Product and Rubber Product Manufacturing	0.0%	0.0%	0.0%	0.1%	0.1%	0.4%	0.00	0.11	0.00	0.25	0.21	0.26	0.17	0.00	0.30	0.26	0.00	0.64	-	0.83	0.80
Non-Metallic Mineral Product Manufacturing	0.8%	0.8%	0.0%	1.3%	1.1%	0.5%	1.52	1.51	0.00	2.55	2.29	2.19	3.14	3.12	2.24	2.46	0.70	0.48	0.00	1.14	0.93
Primary Metal and Metal Product Manufacturing	1.3%	0.2%	1.5%	0.6%	0.6%	0.9%	1.40	0.26	1.61	0.67	0.65	1.07	0.81	0.99	0.64	0.73	1.32	0.32	1.63	1.04	0.89
Fabricated Metal Product Manufacturing	0.7%	0.3%	0.0%	0.8%	0.7%	0.8%	0.79	0.40	0.00	0.95	0.84	0.74	0.77	1.32	1.00	0.93	1.07	0.52	0.00	0.95	0.90



	% of Employment- WPP						Working Population - Location Quotient					Residential - Location Quotient					Ratio - WPP LQ / RP LQ				
	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC	QLD	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC	QLD	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC
Transport Equipment Manufacturing	0.7%	0.2%	0.0%	1.1%	0.9%	0.9%	0.70	0.22	0.00	1.20	1.00	1.21	0.73	0.49	1.12	1.03	0.58	0.31	0.00	1.07	0.97
Machinery and Equipment Manufacturing	0.2%	0.3%	0.0%	0.8%	0.6%	1.0%	0.16	0.35	0.00	0.78	0.67	0.60	1.25	0.96	0.62	0.76	0.26	0.28	0.00	1.26	0.87
Furniture and Other Manufacturing	0.2%	0.3%	0.0%	0.3%	0.3%	0.5%	0.29	0.65	0.00	0.61	0.60	0.50	0.82	0.00	0.63	0.65	0.57	0.80	-	0.98	0.92
Total	8.9%	9.4%	2.3%	8.9%	9.0%	9.9%	0.89	0.94	0.23	0.90	0.90	0.80	0.71	0.87	0.96	0.87	1.11	1.33	0.26	0.94	1.03
Electricity, gas, water and waste services																					
Electricity, Gas, Water and Waste Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.51	-	-	-	0.00	0.00
Electricity Supply	9.9%	0.3%	0.0%	2.3%	2.4%	0.6%	15.97	0.46	0.00	3.76	3.78	1.49	1.35	0.89	1.43	1.41	10.72	0.34	0.00	2.63	2.68
Gas Supply	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.39	0.30	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-
Water Supply, Sewerage and Drainage Services	0.0%	0.1%	0.0%	0.4%	0.3%	0.2%	0.00	0.48	0.00	2.00	1.62	0.43	0.67	0.98	0.64	0.64	0.00	0.71	0.00	3.12	2.55
Waste Collection, Treatment and Disposal Services	0.5%	0.1%	0.0%	0.1%	0.1%	0.2%	2.61	0.70	0.00	0.54	0.67	0.20	0.40	1.56	0.17	0.25	12.77	1.74	0.00	3.23	2.72
Total	10.4%	0.5%	0.0%	2.8%	2.8%	1.0%	10.01	0.49	0.00	2.72	2.68	2.14	2.11	2.21	2.88	2.57	4.68	0.23	0.00	0.94	1.04
Construction																					
Construction, nfd	0.3%	0.3%	0.0%	0.1%	0.2%	0.3%	0.89	1.22	0.00	0.50	0.64	1.03	0.95	2.13	0.98	1.00	0.87	1.28	0.00	0.51	0.64
Building Construction	1.4%	2.9%	1.0%	2.0%	2.1%	2.9%	0.47	1.02	0.35	0.70	0.74	0.71	0.96	0.68	1.00	0.95	0.67	1.06	0.51	0.70	0.78
Heavy and Civil Engineering Construction	1.2%	0.4%	0.0%	0.5%	0.5%	0.8%	1.50	0.56	0.00	0.70	0.71	1.90	1.20	1.81	1.18	1.28	0.79	0.47	0.00	0.60	0.56
Construction Services	5.1%	5.3%	2.3%	3.2%	3.7%	5.0%	1.03	1.06	0.45	0.65	0.73	1.03	1.00	1.00	0.97	0.99	1.00	1.06	0.45	0.66	0.74
Total	7.9%	9.0%	3.3%	5.9%	6.5%	8.9%	0.89	1.01	0.37	0.66	0.73	0.96	1.19	1.05	0.83	0.95	0.92	0.85	0.35	0.79	0.77
Wholesale trade																					
Wholesale Trade, nfd	0.0%	0.1%	0.0%	0.1%	0.1%	0.3%	0.00	0.45	0.00	0.43	0.41	0.17	0.59	0.00	0.46	0.44	0.00	0.77	-	0.93	0.93
Basic Material Wholesaling	1.4%	0.8%	0.0%	0.7%	0.8%	0.9%	1.44	0.81	0.00	0.76	0.79	0.96	1.17	1.03	0.79	0.90	1.50	0.69	0.00	0.96	0.88
Machinery and Equipment Wholesaling	0.5%	0.1%	0.0%	1.7%	1.3%	0.9%	0.53	0.10	0.00	1.92	1.52	2.08	1.29	1.31	1.80	1.72	0.25	0.08	0.00	1.07	0.88
Motor Vehicle and Motor Vehicle Parts Wholesaling	0.7%	0.0%	0.0%	0.4%	0.4%	0.3%	1.97	0.00	0.00	1.33	1.12	1.28	1.35	0.00	1.21	1.23	1.54	0.00	-	1.11	0.92
Grocery, Liquor and Tobacco Product Wholesaling	0.8%	1.0%	1.5%	0.6%	0.7%	0.8%	1.04	1.24	1.94	0.73	0.85	0.59	1.00	1.77	0.87	0.88	1.77	1.24	1.09	0.84	0.97
Other Goods Wholesaling	0.2%	0.1%	0.0%	0.4%	0.4%	0.7%	0.20	0.18	0.00	0.57	0.48	0.32	0.50	0.75	0.61	0.55	0.63	0.37	0.00	0.93	0.87
Commission-Based Wholesaling	0.2%	0.0%	0.0%	0.1%	0.1%	0.1%	2.29	0.00	0.00	1.22	1.06	2.84	0.73	0.00	1.17	1.29	0.81	0.00	-	1.05	0.82
Total	3.6%	2.1%	1.5%	4.0%	3.6%	4.0%	0.89	0.52	0.37	1.00	0.90	1.16	0.70	0.97	0.93	0.89	0.77	0.74	0.39	1.08	1.01
Retail trade																					
Retail Trade, nfd	0.2%	0.7%	1.5%	0.6%	0.6%	0.6%	0.34	1.14	2.54	0.98	0.99	0.98	1.15	1.63	0.84	0.95	0.35	0.99	1.56	1.16	1.04
Motor Vehicle and Motor Vehicle Parts Retailing	0.3%	0.4%	0.0%	1.4%	1.2%	1.0%	0.31	0.43	0.00	1.42	1.18	1.30	0.96	0.48	1.11	1.08	0.24	0.44	0.00	1.28	1.09
Fuel Retailing	1.4%	1.0%	1.0%	0.5%	0.6%	0.4%	3.23	2.35	2.38	1.12	1.45	2.02	1.53	3.34	1.03	1.29	1.60	1.54	0.71	1.09	1.12
Food Retailing	1.5%	4.1%	5.8%	3.8%	3.8%	3.6%	0.42	1.14	1.61	1.07	1.05	0.97	0.96	1.30	1.00	0.99	0.44	1.18	1.24	1.07	1.07
Other Store-Based Retailing	1.6%	5.4%	4.0%	7.2%	6.6%	6.2%	0.25	0.88	0.65	1.17	1.07	0.91	0.98	0.69	1.00	0.98	0.28	0.90	0.95	1.17	1.09
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0.2%	0.0%	0.0%	0.0%	0.0%	0.1%	2.86	0.85	0.00	0.64	0.78	0.00	0.84	0.00	0.90	0.79	-	1.01	-	0.70	0.99
Total	5.1%	11.6%	12.3%	13.5%	12.8%	11.8%	0.43	0.99	1.04	1.14	1.08	0.90	0.93	0.86	1.07	1.01	0.48	1.06	1.21	1.07	1.07



	% of Employment- WPP						Working Population - Location Quotient					Residential - Location Quotient					Ratio - WPP LQ / RP LQ				
	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC	QLD	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC	QLD	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC
Accommodation and food services																					
Accommodation and Food Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	2.40	1.84	0.00	0.00	0.00	2.16	1.26	-	-	-	1.11	1.46
Accommodation	0.4%	6.5%	2.0%	1.6%	2.4%	1.8%	0.19	3.56	1.10	0.91	1.33	0.92	1.77	1.04	0.92	1.20	0.21	2.01	1.06	0.99	1.11
Food and Beverage Services	2.4%	6.8%	5.5%	5.4%	5.5%	5.2%	0.46	1.30	1.06	1.04	1.05	1.03	0.73	0.99	1.03	0.93	0.44	1.77	1.08	1.01	1.13
Total	2.7%	13.2%	7.5%	7.0%	7.9%	7.0%	0.39	1.89	1.07	1.00	1.12	0.76	1.24	0.85	1.04	1.06	0.51	1.53	1.26	0.96	1.06
Transport, postal and warehousing																					
Transport, Postal and Warehousing, nfd	0.0%	0.0%	0.8%	0.0%	0.0%	0.1%	0.00	0.00	9.59	0.43	0.43										
Road Transport	6.9%	1.4%	2.0%	2.3%	2.4%	2.4%	2.87	0.60	0.84	0.96	0.99	1.11	0.99	1.17	0.81	0.90	2.58	0.61	0.72	1.18	1.10
Rail Transport	2.4%	0.1%	0.0%	3.0%	2.5%	0.6%	4.25	0.16	0.00	5.32	4.32	3.09	2.78	1.73	3.92	3.52	1.37	0.06	0.00	1.36	1.23
Water Transport	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.00	0.55	0.00	0.17	0.22	0.00	0.72	0.00	0.25	0.29	-	0.77	-	0.67	0.77
Air and Space Transport	0.0%	0.0%	0.0%	0.1%	0.1%	0.4%	0.00	0.00	0.00	0.23	0.17	0.15	0.21	0.00	0.15	0.16	0.00	0.00	-	1.54	1.12
Other Transport	0.2%	0.2%	0.0%	0.0%	0.0%	0.1%	1.36	1.75	0.00	0.00	0.37	0.00	1.23	0.00	0.00	0.23	-	1.42	-	-	1.63
Postal and Courier Pick-up and Delivery Services	0.3%	0.6%	1.0%	0.5%	0.5%	0.6%	0.43	0.97	1.71	0.93	0.92	0.41	0.86	1.27	0.82	0.77	1.05	1.13	1.35	1.13	1.19
Transport Support Services	0.5%	0.1%	0.0%	0.4%	0.3%	0.6%	0.72	0.14	0.00	0.57	0.50	0.45	0.34	0.52	0.50	0.46	1.59	0.42	0.00	1.15	1.08
Warehousing and Storage Services	0.2%	0.1%	0.0%	0.0%	0.0%	0.2%	1.19	0.53	0.00	0.10	0.23	0.42	0.25	0.00	0.07	0.16	2.83	2.11	-	1.34	1.41
Total	10.3%	2.5%	3.8%	6.4%	5.9%	5.1%	2.04	0.50	0.74	1.26	1.16	1.79	0.77	1.64	1.24	1.18	1.14	0.64	0.45	1.02	0.99
Information media and telecommunications																					
Information Media and Telecommunications, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	1.07	0.82	0.00	0.00	-	1.06	0.76	-	-	-	1.01	1.08
Publishing (except Internet and Music Publishing)	0.0%	0.2%	0.0%	0.5%	0.4%	0.4%	0.00	0.56	0.00	1.20	1.01	1.30	1.19	-	1.33	1.30	0.00	0.47	-	0.90	0.78
Motion Picture and Sound Recording Activities	0.0%	0.0%	0.0%	0.1%	0.1%	0.2%	0.00	0.29	0.00	0.59	0.50	1.25	0.39	-	0.71	0.68	0.00	0.74	-	0.83	0.74
Broadcasting (except Internet)	0.0%	0.0%	0.0%	0.4%	0.3%	0.2%	0.00	0.00	0.00	1.96	1.50	0.00	1.80	-	2.05	1.86	-	0.00	-	0.95	0.81
Internet Publishing and Broadcasting	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	3.08	2.36	0.00	0.00	-	0.00	0.00	-	-	-	-	-
Telecommunications Services	0.4%	0.1%	0.0%	0.4%	0.3%	0.6%	0.59	0.23	0.00	0.59	0.52	1.28	0.93	-	0.64	0.75	0.46	0.24	-	0.93	0.70
Internet Service Providers, Web Search Portals and Data Processing Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	0.27	0.19	-	-	-	0.00	0.00
Library and Other Information Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.00	0.00	0.00	0.71	0.55	0.00	0.86	-	0.60	0.62	-	0.00	-	1.18	0.88
Total	0.4%	0.4%	0.0%	1.4%	1.1%	1.5%	0.24	0.27	0.00	0.92	0.77	0.45	0.56	0.00	0.87	0.72	0.53	0.49	-	1.06	1.06
Financial and insurance services																					
Financial and Insurance Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.00	0.00	0.00	0.16	0.12	0.00	0.49	0.00	0.23	0.27	-	0.00	-	0.71	0.46
Finance	0.2%	0.9%	0.0%	1.5%	1.3%	1.4%	0.11	0.67	0.00	1.10	0.96	1.08	1.29	1.42	1.26	1.26	0.10	0.52	0.00	0.87	0.77
Insurance and Superannuation Funds	0.0%	0.2%	0.0%	0.4%	0.3%	0.7%	0.00	0.23	0.00	0.64	0.53	0.80	0.70	1.50	0.67	0.69	0.00	0.33	0.00	0.96	0.76
Auxiliary Finance and Insurance Services	0.2%	0.3%	0.0%	0.7%	0.6%	0.8%	0.18	0.31	0.00	0.85	0.71	1.12	0.79	0.00	0.91	0.89	0.16	0.39	-	0.93	0.80
Total	0.3%	1.3%	0.0%	2.7%	2.3%	2.9%	0.10	0.45	0.00	0.90	0.77	0.53	0.60	0.42	0.82	0.72	0.19	0.75	0.00	1.10	1.07
Rental, hiring and real estate services																					



	% of Employment- WPP						Working Population - Location Quotient					Residential - Location Quotient					Ratio - WPP LQ / RP LQ				
	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC	QLD	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC	QLD	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC
Rental, Hiring and Real Estate Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00										
Rental and Hiring Services (except Real Estate)	0.3%	0.6%	0.0%	0.6%	0.6%	0.6%	0.53	1.10	0.00	1.07	1.04	1.15	1.12	-	1.39	1.28	0.46	0.98	-	0.77	0.81
Property Operators and Real Estate Services	1.2%	2.1%	1.3%	1.1%	1.3%	1.6%	0.77	1.35	0.79	0.67	0.80	0.95	0.96	-	0.86	0.90	0.81	1.41	-	0.78	0.88
Total	1.5%	2.8%	1.3%	1.7%	1.9%	2.2%	0.70	1.28	0.58	0.78	0.86	0.65	1.02	0.00	0.78	0.82	1.08	1.26	-	1.00	1.05
Professional, scientific and technical services																					
Professional, Scientific and Technical Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	1.2%	3.3%	1.8%	3.5%	3.3%	5.0%	0.23	0.67	0.35	0.69	0.66	1.09	1.09	1.16	1.06	1.07	0.21	0.61	0.30	0.65	0.62
Computer System Design and Related Services	0.0%	0.2%	0.0%	0.3%	0.3%	0.8%	0.00	0.24	0.00	0.35	0.31	0.45	0.44	0.00	0.63	0.55	0.00	0.55	-	0.56	0.56
Total	1.2%	3.5%	1.8%	3.7%	3.5%	5.8%	0.20	0.61	0.30	0.64	0.61	0.48	0.66	0.24	0.60	0.60	0.41	0.92	1.28	1.07	1.02
Administrative and support services																					
Administrative and Support Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-
Administrative Services	0.4%	0.8%	2.0%	1.2%	1.1%	1.6%	0.25	0.49	1.22	0.71	0.66	0.91	0.79	0.95	0.89	0.87	0.27	0.62	1.29	0.80	0.76
Building Cleaning, Pest Control and Other Support Services	1.4%	1.2%	0.8%	1.0%	1.1%	1.4%	1.00	0.84	0.53	0.72	0.75	1.10	1.24	1.06	1.12	1.15	0.91	0.68	0.50	0.64	0.66
Total	1.8%	2.0%	2.8%	2.2%	2.1%	3.1%	0.59	0.65	0.90	0.72	0.70	0.74	0.66	0.87	0.80	0.76	0.80	0.98	1.04	0.89	0.93
Public administration and safety																					
Public Administration and Safety, nfd	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	11.28	0.00	0.00	0.75	1.15	0.00	0.00	0.00	0.84	0.50	-	-	-	0.89	2.30
Public Administration	4.5%	5.1%	8.8%	5.2%	5.1%	4.7%	0.97	1.08	1.87	1.10	1.10	1.10	1.07	1.15	1.01	1.04	0.88	1.01	1.63	1.09	1.06
Defence	0.0%	0.0%	0.0%	0.2%	0.2%	0.6%	0.00	0.07	0.00	0.39	0.31	0.00	0.14	0.00	0.29	0.21	-	0.52	-	1.36	1.48
Public Order, Safety and Regulatory Services	0.4%	2.6%	0.0%	1.9%	2.0%	1.5%	0.27	1.75	0.00	1.29	1.31	1.16	1.22	1.01	1.32	1.27	0.23	1.44	0.00	0.98	1.03
Total	5.1%	7.7%	8.8%	7.4%	7.3%	6.8%	0.75	1.13	1.28	1.08	1.07	0.86	1.03	1.34	1.00	1.00	0.87	1.10	0.96	1.07	1.07
Education and training																					
Education and Training, nfd	0.2%	0.3%	0.0%	0.3%	0.3%	0.2%	0.83	1.05	0.00	1.11	1.07	1.01	0.87	0.00	0.75	0.79	0.83	1.21	-	1.49	1.36
Preschool and School Education	6.8%	9.9%	16.3%	6.1%	6.9%	5.1%	1.35	1.95	3.22	1.20	1.36	1.07	1.00	1.16	0.90	0.95	1.25	1.94	2.78	1.33	1.43
Tertiary Education	0.0%	0.3%	0.8%	4.3%	3.4%	1.8%	0.00	0.15	0.43	2.45	1.91	0.86	1.22	0.90	1.46	1.34	0.00	0.13	0.47	1.68	1.43
Adult, Community and Other Education	0.4%	0.7%	0.8%	0.6%	0.6%	0.8%	0.47	0.87	0.99	0.86	0.84	0.82	0.52	0.52	0.67	0.63	0.57	1.67	1.93	1.29	1.33
Total	7.4%	11.0%	17.8%	11.3%	11.1%	7.8%	0.94	1.41	2.27	1.45	1.42	0.85	1.45	1.02	1.36	1.33	1.11	0.97	2.22	1.06	1.07
Health care and social assistance																					
Health Care and Social Assistance, nfd	0.0%	0.1%	0.8%	0.3%	0.2%	0.3%	0.00	0.21	2.64	0.92	0.77	1.13	0.58	0.82	0.75	0.75	0.00	0.36	3.21	1.22	1.02
Hospitals	0.0%	1.8%	9.5%	5.1%	4.3%	3.3%	0.00	0.55	2.91	1.57	1.33	1.07	0.99	1.35	1.14	1.10	0.00	0.56	2.16	1.38	1.21
Medical and Other Health Care Services	0.5%	2.5%	3.8%	3.1%	2.9%	2.9%	0.16	0.86	1.29	1.06	0.98	0.56	1.02	0.37	0.79	0.81	0.28	0.84	3.48	1.34	1.21
Residential Care Services	3.5%	1.8%	6.8%	2.2%	2.3%	1.5%	2.28	1.17	4.44	1.46	1.48	1.66	1.16	2.00	1.15	1.22	1.38	1.01	2.22	1.26	1.21
Social Assistance Services	2.0%	1.9%	3.8%	3.0%	2.8%	2.4%	0.81	0.78	1.55	1.26	1.15	1.01	0.96	0.69	1.00	0.98	0.81	0.81	2.25	1.26	1.17
Total	5.9%	8.0%	24.6%	13.8%	12.5%	10.4%	0.57	0.77	2.36	1.32	1.20	1.05	0.92	1.51	1.21	1.12	0.54	0.84	1.56	1.09	1.07



	% of Employment- WPP						Working Population - Location Quotient					Residential - Location Quotient					Ratio - WPP LQ / RP LQ				
	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC	QLD	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC	QLD	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Fitzroy	Livingstone	Mount Morgan	Rockhampton	Rockhampton RC
Arts and recreation services																					
Arts and Recreation Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.90	0.69	0.00	1.21	0.00	0.94	0.95	-	0.00	-	0.96	0.73
Heritage Activities	0.0%	0.2%	0.0%	0.2%	0.2%	0.1%	0.00	1.24	0.00	1.09	1.05	1.03	2.13	0.00	1.33	1.56	0.00	0.58	-	0.82	0.68
Creative and Performing Arts Activities	0.0%	0.2%	0.0%	0.0%	0.1%	0.2%	0.00	0.82	0.00	0.20	0.29	0.00	0.54	6.79	0.33	0.43	-	1.51	0.00	0.60	0.68
Sport and Recreation Activities	0.2%	0.6%	0.0%	0.6%	0.5%	0.7%	0.20	0.77	0.00	0.75	0.72	1.19	1.10	0.00	1.29	1.21	0.17	0.70	-	0.58	0.59
Gambling Activities	0.0%	0.1%	0.0%	0.1%	0.1%	0.2%	0.00	0.38	0.00	0.30	0.29	1.45	0.36	0.00	0.48	0.52	0.00	1.05	-	0.61	0.56
Total	0.2%	1.0%	0.0%	0.9%	0.8%	1.4%	0.11	0.73	0.00	0.63	0.61	0.43	0.68	0.29	0.58	0.59	0.25	1.08	0.00	1.09	1.05
Other services																					
Other Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-
Repair and Maintenance	3.7%	1.7%	1.5%	2.5%	2.4%	1.9%	1.97	0.90	0.80	1.30	1.26	1.35	1.14	0.71	1.07	1.11	1.46	0.79	1.12	1.21	1.13
Personal Care and Other Services	0.5%	1.5%	0.8%	2.2%	2.0%	1.9%	0.24	0.76	0.39	1.15	1.03	0.67	0.87	1.29	0.94	0.90	0.35	0.88	0.30	1.23	1.15
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-	-	-	-	-
Total	4.2%	3.2%	2.3%	4.7%	4.4%	3.8%	1.09	0.83	0.59	1.22	1.14	1.17	0.93	0.71	1.18	1.10	0.94	0.90	0.83	1.03	1.04
Inadequately described																					
Inadequately described	1.5%	1.1%	1.0%	0.8%	0.9%	1.3%	1.17	0.90	0.80	0.64	0.72	0.82	0.93	1.13	0.70	0.79	1.43	0.97	0.71	0.92	0.91
Not stated	0.2%	0.2%	0.0%	0.1%	0.1%	0.1%	1.62	1.33	0.00	0.49	0.68	1.02	0.96	2.38	0.76	0.87	1.59	1.38	0.00	0.64	0.78
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



ECONOMIC ASSOCIATES

Appendix C

Detailed Employment Projections by Planning Area



Table C-1 Projected Employment Retention and Industry Share at the two digit ANZSIC level, Fitzroy Planning Area, 2010-31

	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing												
Agriculture, Forestry and Fishing, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agriculture	96.1%	96.1%	96.1%	100.9 %	105.7 %	110.5%	8.5%	8.5%	8.5%	8.3%	8.1%	7.9%
Aquaculture	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Forestry and Logging	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fishing, Hunting and Trapping	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agriculture, Forestry and Fishing Support Services	75.0%	75.0%	75.0%	78.8%	82.5%	86.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Mining												
Mining, nfd	26.9%	26.9%	26.9%	27.4%	27.8%	28.3%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Coal Mining	3.0%	3.0%	3.0%	3.1%	3.2%	3.3%	2.8%	2.8%	2.8%	2.7%	2.7%	2.6%
Oil and Gas Extraction	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Metal Ore Mining	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Non-Metallic Mineral Mining and Quarrying	166.7 %	166.7 %	166.7 %	169.4 %	172.2 %	175.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Exploration and Other Mining Support Services	11.8%	11.8%	11.8%	14.1%	16.5%	18.8%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%
Manufacturing												
Manufacturing, nfd	29.5%	29.5%	29.5%	32.0%	34.5%	36.9%	0.9%	0.9%	0.9%	1.0%	1.1%	1.1%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Food Product Manufacturing	52.5%	52.5%	52.5%	71.7%	91.0%	110.2%	2.1%	2.2%	2.2%	2.3%	2.4%	2.5%
Beverage and Tobacco Product Manufacturing	0.0%	0.0%	0.0%	6.7%	13.3%	20.0%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%
Textile, Leather, Clothing and Footwear Manufacturing	30.0%	30.0%	30.0%	35.0%	40.0%	45.0%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%
Wood Product Manufacturing	20.0%	20.0%	20.0%	26.7%	33.3%	40.0%	0.3%	0.3%	0.3%	0.4%	0.4%	0.5%
Pulp, Paper and Converted Paper Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Printing (including Reproduction of Recorded Media)	0.0%	0.0%	0.0%	4.8%	9.7%	14.5%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Petroleum and Coal Product Manufacturing	0.0%	0.0%	0.0%	2.2%	4.4%	6.6%	0.0%	0.2%	0.2%	0.4%	0.6%	0.8%
Basic Chemical and Chemical Product Manufacturing	182.4 %	182.4 %	182.4 %	191.5 %	200.6 %	209.7%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Polymer Product and Rubber Product Manufacturing	0.0%	0.0%	0.0%	1.6%	3.3%	4.9%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Non-Metallic Mineral Product Manufacturing	36.6%	36.6%	36.6%	48.8%	61.0%	73.2%	0.9%	0.9%	0.9%	1.1%	1.2%	1.4%
Primary Metal and Metal Product Manufacturing	68.4%	68.4%	68.4%	75.3%	82.1%	88.9%	0.8%	0.8%	0.8%	0.9%	0.9%	1.0%
Fabricated Metal Product Manufacturing	56.5%	56.5%	56.5%	64.1%	71.6%	79.1%	0.5%	0.5%	0.5%	0.6%	0.6%	0.7%
Transport Equipment Manufacturing	30.2%	30.2%	30.2%	40.3%	50.4%	60.5%	0.9%	0.9%	0.9%	0.9%	0.9%	1.0%
Machinery and Equipment Manufacturing	13.6%	13.6%	13.6%	22.7%	31.8%	40.9%	0.5%	0.5%	0.5%	0.5%	0.5%	0.6%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Furniture and Other Manufacturing	30.0%	30.0%	30.0%	31.5%	33.0%	34.5%	0.2%	0.2%	0.2%	0.2%	0.3%	0.3%
Electricity, gas, water and waste services												
Electricity, Gas, Water and Waste Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Electricity Supply	214.1 %	214.1 %	214.1 %	217.7 %	221.3 %	224.8%	1.9%	1.9%	1.9%	1.9%	1.8%	1.8%
Gas Supply	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Supply, Sewerage and Drainage Services	0.0%	0.0%	0.0%	25.5%	51.0%	76.5%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Waste Collection, Treatment and Disposal Services	250.0 %	250.0 %	250.0 %	254.2 %	258.3 %	262.5%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Construction												
Construction, nfd	35.7%	35.7%	35.7%	39.3%	42.9%	46.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Building Construction	27.8%	27.8%	27.8%	33.4%	39.0%	44.5%	2.0%	2.0%	2.0%	2.0%	2.1%	2.1%
Heavy and Civil Engineering Construction	34.3%	34.3%	34.3%	36.6%	38.9%	41.2%	1.4%	1.4%	1.4%	1.4%	1.3%	1.3%
Construction Services	42.9%	42.9%	42.9%	51.4%	60.0%	68.6%	5.0%	4.9%	4.9%	4.9%	4.9%	4.9%
Wholesale trade												
Wholesale Trade, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Basic Material Wholesaling	55.1%	55.1%	55.1%	66.1%	77.1%	88.2%	1.0%	1.1%	1.1%	1.1%	1.2%	1.3%
Machinery and Equipment Wholesaling	9.4%	9.4%	9.4%	14.1%	18.8%	23.4%	2.0%	2.1%	2.1%	2.2%	2.4%	2.5%
Motor Vehicle and Motor Vehicle Parts Wholesaling	56.5%	56.5%	56.5%	60.3%	64.1%	67.8%	0.5%	0.5%	0.5%	0.5%	0.5%	0.6%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Grocery, Liquor and Tobacco Product Wholesaling	64.0%	64.0%	64.0%	68.3%	72.5%	76.8%	0.5%	0.5%	0.5%	0.6%	0.6%	0.6%
Other Goods Wholesaling	23.1%	23.1%	23.1%	28.5%	33.8%	39.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.4%
Commission-Based Wholesaling	30.0%	30.0%	30.0%	35.0%	40.0%	45.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Retail trade												
Retail Trade, nfd	14.3%	14.3%	14.3%	21.4%	28.6%	35.7%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Motor Vehicle and Motor Vehicle Parts Retailing	11.1%	11.1%	11.1%	16.7%	22.2%	27.8%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%
Fuel Retailing	75.0%	75.0%	75.0%	80.0%	85.0%	90.0%	0.8%	0.7%	0.7%	0.7%	0.7%	0.7%
Food Retailing	20.3%	20.3%	20.3%	27.0%	33.8%	40.5%	3.1%	3.1%	3.1%	3.1%	3.1%	3.2%
Other Store-Based Retailing	13.1%	13.1%	13.1%	17.4%	21.8%	26.2%	4.9%	4.9%	4.9%	4.8%	4.8%	4.7%
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Accommodation and food services												
Accommodation and Food Services, nfd	0.0%	0.0%	100.0 %	100.0 %	100.0 %	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Accommodation	11.7%	11.7%	11.7%	15.6%	19.4%	23.3%	1.3%	1.2%	1.2%	1.2%	1.2%	1.2%
Food and Beverage Services	24.0%	24.0%	24.0%	30.0%	36.0%	42.0%	4.1%	4.1%	4.1%	4.0%	3.9%	3.8%
Transport, postal and warehousing												
Transport, Postal and Warehousing, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Road Transport	58.9%	58.9%	58.9%	67.7%	76.5%	85.4%	4.8%	4.8%	4.8%	4.9%	4.9%	5.0%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Rail Transport	32.4%	32.4%	32.4%	35.1%	37.8%	40.5%	3.1%	3.1%	3.1%	3.2%	3.3%	3.4%
Water Transport	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Air and Space Transport	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Other Transport	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Postal and Courier Pick-up and Delivery Services	25.0%	25.0%	25.0%	28.3%	31.7%	35.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Transport Support Services	37.5%	37.5%	37.5%	45.0%	52.5%	60.0%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Warehousing and Storage Services	66.7%	66.7%	66.7%	71.1%	75.6%	80.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Information media and telecommunications												
Information Media and Telecommunications, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Publishing (except Internet and Music Publishing)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Motion Picture and Sound Recording Activities	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Broadcasting (except Internet)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Internet Publishing and Broadcasting	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Telecommunications Services	43.8%	43.8%	43.8%	49.6%	55.4%	61.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Internet Service Providers, Web Search Portals and Data Processing Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Library and Other Information Services	0.0%	0.0%	0.0%	7.8%	15.5%	23.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Financial and insurance services												



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Financial and Insurance Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Finance	8.1%	8.1%	8.1%	9.5%	10.8%	12.2%	0.8%	0.8%	0.8%	0.8%	0.7%	0.7%
Insurance and Superannuation Funds	0.0%	0.0%	0.0%	0.8%	1.7%	2.5%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Auxiliary Finance and Insurance Services	13.0%	13.0%	13.0%	14.3%	15.7%	17.0%	0.5%	0.5%	0.5%	0.5%	0.5%	0.4%
Rental, hiring and real estate services												
Rental, Hiring and Real Estate Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Rental and Hiring Services (except Real Estate)	30.0%	30.0%	30.0%	33.0%	36.0%	39.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Property Operators and Real Estate Services	53.3%	53.3%	53.3%	56.9%	60.4%	64.0%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%
Professional, scientific and technical services												
Professional, Scientific and Technical Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	18.9%	18.9%	18.9%	20.7%	22.6%	24.5%	2.5%	2.5%	2.5%	2.5%	2.4%	2.4%
Computer System Design and Related Services	0.0%	0.0%	0.0%	3.3%	6.7%	10.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Administrative and support services												
Administrative and Support Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Administrative Services	15.4%	15.4%	15.4%	16.9%	18.5%	20.0%	1.1%	1.1%	1.1%	1.1%	1.0%	1.0%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Building Cleaning, Pest Control and Other Support Services	50.0%	50.0%	50.0%	52.5%	55.0%	57.5%	1.2%	1.2%	1.2%	1.1%	1.1%	1.1%
Public administration and safety												
Public Administration and Safety, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public Administration	43.7%	43.7%	43.7%	45.9%	48.1%	50.2%	4.3%	4.3%	4.3%	4.2%	4.1%	4.0%
Defence	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public Order, Safety and Regulatory Services	11.4%	11.4%	11.4%	15.2%	19.0%	22.9%	1.5%	1.5%	1.5%	1.4%	1.4%	1.4%
Education and training												
Education and Training, nfd	40.0%	40.0%	40.0%	40.0%	40.0%	40.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Preschool and School Education	63.1%	63.1%	63.1%	68.3%	73.6%	78.9%	4.5%	4.4%	4.4%	4.4%	4.3%	4.2%
Tertiary Education	0.0%	0.0%	0.0%	2.0%	4.0%	6.0%	1.3%	1.2%	1.2%	1.2%	1.2%	1.2%
Adult, Community and Other Education	28.0%	28.0%	28.0%	29.9%	31.7%	33.6%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Health care and social assistance												
Health Care and Social Assistance, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Hospitals	0.0%	0.0%	0.0%	2.7%	5.3%	8.0%	3.5%	3.5%	3.5%	3.4%	3.4%	3.3%
Medical and Other Health Care Services	11.3%	11.3%	11.3%	15.0%	18.8%	22.5%	1.7%	1.7%	1.7%	1.6%	1.6%	1.6%
Residential Care Services	56.1%	56.1%	56.1%	59.8%	63.6%	67.3%	2.6%	2.6%	2.6%	2.5%	2.4%	2.4%
Social Assistance Services	32.2%	32.2%	32.2%	33.3%	34.4%	35.5%	2.5%	2.5%	2.5%	2.5%	2.4%	2.4%
Arts and recreation services												



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Arts and Recreation Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Heritage Activities	0.0%	0.0%	0.0%	14.8%	29.7%	44.5%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Creative and Performing Arts Activities	0.0%	0.0%	0.0%	11.2%	22.3%	33.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sport and Recreation Activities	16.7%	16.7%	16.7%	19.4%	22.2%	25.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Gambling Activities	0.0%	0.0%	0.0%	5.6%	11.1%	16.7%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Other services												
Other Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Repair and Maintenance	53.2%	53.2%	53.2%	57.7%	62.1%	66.5%	2.9%	2.9%	2.9%	2.8%	2.8%	2.7%
Personal Care and Other Services	12.9%	12.9%	12.9%	13.7%	14.6%	15.4%	1.5%	1.5%	1.5%	1.4%	1.4%	1.4%
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Inadequately described	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%
Not stated	6.5%	6.5%	6.5%	6.5%	6.5%	6.5%	1.3%	1.3%	1.3%	1.3%	1.2%	1.2%

Source: Economic Associates estimates



Table C-2 Projected Employment Retention and Industry Share at the two digit ANZSIC level, Livingstone Planning Area, 2010-31

	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing												
Agriculture, Forestry and Fishing, nfd	133.3%	133.3%	133.3%	128.9%	124.4%	120.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agriculture	94.5%	94.5%	94.5%	92.2%	89.8%	87.4%	4.0%	4.0%	4.0%	3.9%	3.9%	3.9%
Aquaculture	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Forestry and Logging	71.4%	71.4%	71.4%	69.0%	66.7%	64.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Fishing, Hunting and Trapping	76.0%	76.0%	76.0%	73.5%	70.9%	68.4%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Agriculture, Forestry and Fishing Support Services	100.0%	100.0%	100.0%	96.7%	93.3%	90.0%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Mining												
Mining, nfd	32.5%	32.5%	32.5%	32.0%	31.4%	30.9%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Coal Mining	2.4%	2.4%	2.4%	2.4%	2.3%	2.3%	3.4%	3.4%	3.3%	3.3%	3.3%	3.3%
Oil and Gas Extraction	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Metal Ore Mining	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Non-Metallic Mineral Mining and Quarrying	108.3%	108.3%	108.3%	106.5%	104.7%	102.9%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Exploration and Other Mining Support Services	32.9%	32.9%	32.9%	32.6%	32.4%	32.1%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Manufacturing												
Manufacturing, nfd	39.8%	39.8%	39.8%	39.1%	38.4%	37.8%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Food Product Manufacturing	169.4%	169.4%	169.4%	162.3%	155.3%	148.2%	1.8%	1.8%	1.9%	1.9%	1.9%	2.0%
Beverage and Tobacco Product Manufacturing	25.0%	25.0%	25.0%	24.6%	24.2%	23.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Textile, Leather, Clothing and Footwear Manufacturing	106.3%	106.3%	106.3%	104.5%	102.7%	100.9%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Wood Product Manufacturing	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Pulp, Paper and Converted Paper Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Printing (including Reproduction of Recorded Media)	58.8%	58.8%	58.8%	59.8%	60.8%	61.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%
Petroleum and Coal Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Basic Chemical and Chemical Product Manufacturing	25.0%	25.0%	25.0%	24.6%	24.2%	23.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Polymer Product and Rubber Product Manufacturing	50.0%	50.0%	50.0%	49.2%	48.3%	47.5%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%
Non-Metallic Mineral Product Manufacturing	37.6%	37.6%	37.6%	37.6%	37.6%	37.6%	1.1%	1.1%	1.1%	1.1%	1.2%	1.2%
Primary Metal and Metal Product Manufacturing	24.6%	24.6%	24.6%	24.2%	23.8%	23.4%	0.5%	0.5%	0.5%	0.6%	0.6%	0.6%
Fabricated Metal Product Manufacturing	40.7%	40.7%	40.7%	40.4%	40.1%	39.7%	0.4%	0.4%	0.5%	0.5%	0.5%	0.5%
Transport Equipment Manufacturing	23.7%	23.7%	23.7%	22.9%	22.1%	21.4%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Machinery and Equipment Manufacturing	22.3%	22.3%	22.3%	21.6%	20.8%	20.1%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Furniture and Other Manufacturing	62.2%	62.2%	62.2%	61.1%	60.1%	59.1%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Electricity, gas, water and waste services												
Electricity, Gas, Water and Waste Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Electricity Supply	9.0%	9.0%	9.0%	9.3%	9.6%	9.9%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%
Gas Supply	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Supply, Sewerage and Drainage Services	18.8%	18.8%	18.8%	19.4%	20.0%	20.6%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Waste Collection, Treatment and Disposal Services	45.0%	45.0%	45.0%	45.8%	46.5%	47.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Construction												
Construction, nfd	56.1%	56.1%	56.1%	55.2%	54.2%	53.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Building Construction	47.1%	47.1%	47.1%	48.7%	50.2%	51.8%	3.3%	3.3%	3.3%	3.3%	3.3%	3.3%
Heavy and Civil Engineering Construction	21.6%	21.6%	21.6%	21.3%	20.9%	20.6%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%
Construction Services	48.0%	48.0%	48.0%	48.8%	49.6%	50.4%	6.0%	6.1%	6.2%	6.3%	6.4%	6.5%
Wholesale trade												
Wholesale Trade, nfd	56.3%	56.3%	56.3%	56.3%	56.3%	56.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Basic Material Wholesaling	54.8%	54.8%	54.8%	56.7%	58.5%	60.3%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%
Machinery and Equipment Wholesaling	6.5%	6.5%	6.5%	6.6%	6.7%	6.8%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%
Motor Vehicle and Motor Vehicle Parts Wholesaling	0.0%	0.0%	0.0%	1.7%	3.3%	5.0%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Grocery, Liquor and Tobacco Product Wholesaling	97.0%	97.0%	97.0%	98.6%	100.2%	101.8%	0.5%	0.5%	0.6%	0.6%	0.6%	0.6%
Other Goods Wholesaling	29.0%	29.0%	29.0%	30.5%	31.9%	33.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Commission-Based Wholesaling	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Retail trade												
Retail Trade, nfd	51.7%	51.7%	51.7%	52.6%	53.4%	54.3%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%
Motor Vehicle and Motor Vehicle Parts Retailing	26.4%	26.4%	26.4%	26.9%	27.3%	27.7%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%
Fuel Retailing	91.7%	91.7%	91.7%	91.7%	91.7%	91.7%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Food Retailing	69.8%	69.8%	69.8%	71.0%	72.1%	73.3%	3.2%	3.2%	3.1%	3.1%	3.1%	3.1%
Other Store-Based Retailing	53.9%	53.9%	53.9%	54.4%	55.0%	55.5%	5.4%	5.4%	5.4%	5.4%	5.3%	5.3%
Non-Store Retailing and Retail Commission Based Buying and/or Selling	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Accommodation and food services												
Accommodation and Food Services, nfd	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Accommodation	89.2%	89.2%	89.2%	90.0%	90.7%	91.5%	3.9%	3.9%	3.9%	3.9%	3.8%	3.8%
Food and Beverage Services	77.6%	77.6%	77.6%	78.9%	80.2%	81.5%	4.7%	4.7%	4.7%	4.6%	4.6%	4.6%
Transport, postal and warehousing												
Transport, Postal and Warehousing, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Road Transport	41.9%	41.9%	41.9%	41.6%	41.2%	40.9%	1.9%	1.9%	1.9%	2.0%	2.0%	2.0%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Rail Transport	4.1%	4.1%	4.1%	3.9%	3.8%	3.6%	1.2%	1.2%	1.3%	1.3%	1.3%	1.3%
Water Transport	50.0%	50.0%	50.0%	51.7%	53.3%	55.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Air and Space Transport	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Other Transport	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Postal and Courier Pick-up and Delivery Services	80.9%	80.9%	80.9%	80.2%	79.5%	78.8%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Transport Support Services	30.0%	30.0%	30.0%	30.5%	31.0%	31.5%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Warehousing and Storage Services	150.0%	150.0%	150.0%	147.5%	145.0%	142.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Information media and telecommunications												
Information Media and Telecommunications, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Publishing (except Internet and Music Publishing)	46.9%	46.9%	46.9%	51.6%	56.3%	60.9%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Motion Picture and Sound Recording Activities	75.0%	75.0%	75.0%	75.0%	75.0%	75.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Broadcasting (except Internet)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Internet Publishing and Broadcasting	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Telecommunications Services	24.3%	24.3%	24.3%	25.9%	27.6%	29.2%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Internet Service Providers, Web Search Portals and Data Processing Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Library and Other Information	0.0%	0.0%	0.0%	25.5%	50.9%	76.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Services												
Financial and insurance services												
Financial and Insurance Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Finance	48.4%	48.4%	48.4%	52.5%	56.5%	60.5%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Insurance and Superannuation Funds	30.3%	30.3%	30.3%	33.3%	36.4%	39.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Auxiliary Finance and Insurance Services	36.2%	36.2%	36.2%	41.0%	45.8%	50.6%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Rental, hiring and real estate services												
Rental, Hiring and Real Estate Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Rental and Hiring Services (except Real Estate)	53.8%	53.8%	53.8%	55.6%	57.4%	59.2%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Property Operators and Real Estate Services	77.6%	77.6%	77.6%	80.2%	82.8%	85.4%	1.5%	1.5%	1.5%	1.5%	1.5%	1.4%
Professional, scientific and technical services												
Professional, Scientific and Technical Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	51.9%	51.9%	51.9%	54.9%	57.9%	60.9%	3.5%	3.5%	3.4%	3.4%	3.4%	3.4%
Computer System Design and Related Services	46.4%	46.4%	46.4%	48.0%	49.5%	51.1%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Administrative and support services												
Administrative and Support Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Administrative Services	51.5%	51.5%	51.5%	53.2%	54.9%	56.6%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%
Building Cleaning, Pest Control and Other Support Services	54.5%	54.5%	54.5%	58.1%	61.7%	65.4%	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%
Public administration and safety												
Public Administration and Safety, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public Administration	55.0%	55.0%	55.0%	55.9%	56.8%	57.7%	5.0%	5.0%	4.9%	4.9%	4.9%	4.8%
Defence	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Public Order, Safety and Regulatory Services	77.4%	77.4%	77.4%	80.0%	82.6%	85.2%	1.8%	1.8%	1.8%	1.8%	1.8%	1.8%
Education and training												
Education and Training, nfd	44.7%	44.7%	44.7%	44.7%	44.7%	44.7%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Preschool and School Education	74.8%	74.8%	74.8%	76.7%	78.6%	80.4%	7.1%	7.1%	7.1%	7.0%	7.0%	6.9%
Tertiary Education	4.8%	4.8%	4.8%	5.1%	5.5%	5.8%	3.0%	3.0%	3.0%	3.0%	3.0%	2.9%
Adult, Community and Other Education	62.9%	62.9%	62.9%	65.0%	67.0%	69.1%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Health care and social assistance												
Health Care and Social Assistance, nfd	19.0%	19.0%	19.0%	19.0%	19.0%	19.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Hospitals	34.0%	34.0%	34.0%	35.1%	36.3%	37.4%	2.9%	2.9%	2.8%	2.8%	2.8%	2.8%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Medical and Other Health Care Services	51.4%	51.4%	51.4%	54.8%	58.2%	61.7%	2.6%	2.6%	2.6%	2.6%	2.6%	2.6%
Residential Care Services	61.3%	61.3%	61.3%	67.5%	73.6%	79.7%	1.6%	1.6%	1.6%	1.5%	1.5%	1.5%
Social Assistance Services	48.3%	48.3%	48.3%	52.7%	57.1%	61.5%	2.1%	2.1%	2.1%	2.1%	2.1%	2.0%
Arts and recreation services												
Arts and Recreation Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Heritage Activities	48.0%	48.0%	48.0%	51.2%	54.4%	57.6%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Creative and Performing Arts Activities	122.2%	122.2%	122.2%	121.4%	120.6%	119.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Sport and Recreation Activities	56.7%	56.7%	56.7%	56.3%	56.0%	55.6%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Gambling Activities	85.7%	85.7%	85.7%	87.1%	88.6%	90.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Other services												
Other Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Repair and Maintenance	47.5%	47.5%	47.5%	49.1%	50.7%	52.3%	2.0%	2.0%	2.0%	2.1%	2.1%	2.1%
Personal Care and Other Services	52.4%	52.4%	52.4%	55.0%	57.6%	60.3%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Inadequately described	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%
Not stated	7.3%	7.3%	7.3%	7.3%	7.3%	7.3%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%

Source: Economic Associates estimates



Table C-3 Projected Employment Retention and Industry Share at the two digit ANZSIC level, Mount Morgan Planning Area, 2010-31

	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing												
Agriculture, Forestry and Fishing, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%
Agriculture	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	2.5%	2.5%	2.5%	2.5%	2.4%	2.4%
Aquaculture	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Forestry and Logging	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fishing, Hunting and Trapping	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agriculture, Forestry and Fishing Support Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Mining												
Mining, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Coal Mining	115.4%	115.4%	115.4%	111.5%	107.7%	103.8%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%
Oil and Gas Extraction	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Metal Ore Mining	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Non-Metallic Mineral Mining and Quarrying	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Exploration and Other Mining Support Services	75.0%	75.0%	75.0%	72.5%	70.0%	67.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Manufacturing												
Manufacturing, nfd	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	0.7%	0.7%	0.7%	0.6%	0.6%	0.6%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Food Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	3.2%	3.3%	3.4%	3.4%	3.5%
Beverage and Tobacco Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Textile, Leather, Clothing and Footwear Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%	0.5%	0.6%	0.6%	0.6%
Wood Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Pulp, Paper and Converted Paper Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Printing (including Reproduction of Recorded Media)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Petroleum and Coal Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Basic Chemical and Chemical Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Polymer Product and Rubber Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Non-Metallic Mineral Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	1.3%	1.4%	1.4%	1.4%	1.5%
Primary Metal and Metal Product Manufacturing	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.8%	0.8%	0.8%	0.8%	0.9%	0.9%
Fabricated Metal Product Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.9%	1.0%	1.0%	1.0%	1.0%
Transport Equipment Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Machinery and Equipment Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.8%	0.8%	0.8%	0.9%	0.9%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Furniture and Other Manufacturing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Electricity, gas, water and waste services												
Electricity, Gas, Water and Waste Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Electricity Supply	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%
Gas Supply	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Supply, Sewerage and Drainage Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Waste Collection, Treatment and Disposal Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.7%	0.7%	0.6%	0.6%	0.6%
Construction												
Construction, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.7%	0.7%	0.6%	0.6%	0.6%
Building Construction	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	2.1%	2.1%	2.1%	2.1%	2.1%	2.0%
Heavy and Civil Engineering Construction	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%
Construction Services	22.5%	22.5%	22.5%	22.5%	22.5%	22.5%	5.4%	5.4%	5.5%	5.6%	5.7%	5.8%
Wholesale trade												
Wholesale Trade, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Basic Material Wholesaling	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.9%	1.0%	1.0%	1.0%	1.0%
Machinery and Equipment Wholesaling	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	1.1%	1.1%	1.1%	1.1%	1.2%
Motor Vehicle and Motor Vehicle Parts Wholesaling	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Grocery, Liquor and Tobacco Product Wholesaling	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	1.3%	1.3%	1.4%	1.4%	1.4%	1.5%
Other Goods Wholesaling	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%	0.5%	0.6%	0.6%	0.6%
Commission-Based Wholesaling	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Retail trade												
Retail Trade, nfd	85.7%	85.7%	85.7%	85.7%	85.7%	85.7%	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%
Motor Vehicle and Motor Vehicle Parts Retailing	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Fuel Retailing	44.4%	44.4%	44.4%	44.4%	44.4%	44.4%	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%
Food Retailing	76.7%	76.7%	76.7%	76.7%	76.7%	76.7%	3.9%	3.9%	3.9%	3.9%	3.8%	3.8%
Other Store-Based Retailing	59.3%	59.3%	59.3%	59.3%	59.3%	59.3%	3.5%	3.5%	3.5%	3.5%	3.5%	3.4%
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Accommodation and food services												
Accommodation and Food Services, nfd	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Accommodation	66.7%	66.7%	66.7%	66.7%	66.7%	66.7%	1.6%	1.6%	1.6%	1.6%	1.5%	1.5%
Food and Beverage Services	66.7%	66.7%	66.7%	66.7%	66.7%	66.7%	4.3%	4.3%	4.3%	4.3%	4.2%	4.2%
Transport, postal and warehousing												
Transport, Postal and Warehousing, nfd	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Road Transport	22.9%	22.9%	22.9%	22.9%	22.9%	22.9%	4.7%	4.7%	4.8%	4.9%	5.0%	5.1%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Rail Transport	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.6%	1.6%	1.7%	1.7%	1.7%
Water Transport	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Air and Space Transport	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other Transport	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Postal and Courier Pick-up and Delivery Services	44.4%	44.4%	44.4%	44.4%	44.4%	44.4%	1.2%	1.2%	1.2%	1.3%	1.3%	1.3%
Transport Support Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%	0.5%	0.6%	0.6%	0.6%
Warehousing and Storage Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Information media and telecommunications												
Information Media and Telecommunications, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Publishing (except Internet and Music Publishing)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Motion Picture and Sound Recording Activities	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Broadcasting (except Internet)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Internet Publishing and Broadcasting	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Telecommunications Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Internet Service Providers, Web Search Portals and Data Processing Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Library and Other Information	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Services												
Financial and insurance services												
Financial and Insurance Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Finance	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.8%	0.8%	0.8%	0.8%	0.8%
Insurance and Superannuation Funds	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Auxiliary Finance and Insurance Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Rental, hiring and real estate services												
Rental, Hiring and Real Estate Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Rental and Hiring Services (except Real Estate)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Property Operators and Real Estate Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Professional, scientific and technical services												
Professional, Scientific and Technical Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	70.0%	70.0%	70.0%	70.0%	70.0%	70.0%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%
Computer System Design and Related Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Administrative and support services												
Administrative and Support Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Administrative Services	80.0%	80.0%	80.0%	80.0%	80.0%	80.0%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%
Building Cleaning, Pest Control and Other Support Services	30.0%	30.0%	30.0%	30.0%	30.0%	30.0%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%
Public administration and safety												
Public Administration and Safety, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public Administration	66.0%	66.0%	66.0%	66.0%	66.0%	66.0%	7.0%	7.0%	6.9%	6.9%	6.8%	6.8%
Defence	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public Order, Safety and Regulatory Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	2.0%	2.0%	1.9%	1.9%	1.9%
Education and training												
Education and Training, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Preschool and School Education	147.7%	147.7%	147.7%	147.7%	147.7%	147.7%	5.8%	5.8%	5.7%	5.7%	5.6%	5.6%
Tertiary Education	25.0%	25.0%	25.0%	25.0%	25.0%	25.0%	1.6%	1.6%	1.6%	1.6%	1.5%	1.5%
Adult, Community and Other Education	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Health care and social assistance												
Health Care and Social Assistance, nfd	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Hospitals	77.6%	77.6%	77.6%	77.6%	77.6%	77.6%	6.4%	6.4%	6.4%	6.3%	6.3%	6.2%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Medical and Other Health Care Services	125.0%	125.0%	125.0%	125.0%	125.0%	125.0%	1.6%	1.6%	1.6%	1.6%	1.5%	1.5%
Residential Care Services	79.4%	79.4%	79.4%	79.4%	79.4%	79.4%	4.5%	4.5%	4.4%	4.4%	4.4%	4.3%
Social Assistance Services	78.9%	78.9%	78.9%	78.9%	78.9%	78.9%	2.5%	2.5%	2.5%	2.5%	2.4%	2.4%
Arts and recreation services												
Arts and Recreation Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Heritage Activities	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Creative and Performing Arts Activities	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Sport and Recreation Activities	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Gambling Activities	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Other services												
Other Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Repair and Maintenance	85.7%	85.7%	85.7%	85.7%	85.7%	85.7%	0.9%	0.9%	1.0%	1.0%	1.0%	1.0%
Personal Care and Other Services	23.1%	23.1%	23.1%	23.1%	23.1%	23.1%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Inadequately described	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	1.6%	1.6%	1.6%	1.5%	1.5%
Not stated	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	3.0%	3.0%	3.0%	3.0%	2.9%

Source: Economic Associates estimates



Table C-4 Projected Employment Retention and Industry Share at the two digit ANZSIC level, Rockhampton Planning Area, 2010-31

	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing												
Agriculture, Forestry and Fishing, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agriculture	54.4%	54.4%	54.4%	53.7%	52.9%	52.2%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Aquaculture	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Forestry and Logging	200.0%	200.0%	200.0%	193.3%	186.7%	180.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fishing, Hunting and Trapping	60.0%	60.0%	60.0%	58.0%	56.0%	54.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agriculture, Forestry and Fishing Support Services	60.0%	60.0%	60.0%	58.0%	56.0%	54.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Mining												
Mining, nfd	71.4%	71.4%	71.4%	70.2%	69.0%	67.9%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Coal Mining	8.6%	8.6%	8.6%	8.9%	9.2%	9.4%	1.3%	1.2%	1.2%	1.2%	1.2%	1.2%
Oil and Gas Extraction	50.0%	50.0%	50.0%	49.2%	48.3%	47.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Metal Ore Mining	26.7%	26.7%	26.7%	26.2%	25.8%	25.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Non-Metallic Mineral Mining and Quarrying	39.1%	39.1%	39.1%	38.5%	37.8%	37.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Exploration and Other Mining Support Services	78.1%	78.1%	78.1%	77.3%	76.6%	75.8%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Manufacturing												
Manufacturing, nfd	121.8%	121.8%	121.8%	119.8%	117.8%	115.7%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Food Product Manufacturing	79.4%	79.4%	79.4%	80.7%	82.0%	83.4%	3.7%	3.7%	3.7%	3.7%	3.8%	3.8%
Beverage and Tobacco Product Manufacturing	115.4%	115.4%	115.4%	111.5%	107.7%	103.8%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Textile, Leather, Clothing and Footwear Manufacturing	146.7%	146.7%	146.7%	141.8%	136.9%	132.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Wood Product Manufacturing	110.5%	110.5%	110.5%	106.8%	103.2%	99.5%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Pulp, Paper and Converted Paper Product Manufacturing	100.0%	100.0%	100.0%	96.7%	93.3%	90.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Printing (including Reproduction of Recorded Media)	126.7%	126.7%	126.7%	128.8%	130.9%	133.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Petroleum and Coal Product Manufacturing	62.5%	62.5%	62.5%	61.5%	60.4%	59.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Basic Chemical and Chemical Product Manufacturing	60.9%	60.9%	60.9%	58.8%	56.8%	54.8%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Polymer Product and Rubber Product Manufacturing	100.0%	100.0%	100.0%	98.3%	96.7%	95.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Non-Metallic Mineral Product Manufacturing	137.7%	137.7%	137.7%	135.4%	133.1%	130.8%	1.0%	1.1%	1.1%	1.1%	1.1%	1.1%
Primary Metal and Metal Product Manufacturing	124.8%	124.8%	124.8%	122.8%	120.7%	118.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.7%
Fabricated Metal Product Manufacturing	115.9%	115.9%	115.9%	114.4%	112.8%	111.3%	0.8%	0.8%	0.8%	0.8%	0.9%	0.9%
Transport Equipment Manufacturing	129.6%	129.6%	129.6%	127.5%	125.3%	123.1%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Machinery and Equipment Manufacturing	154.1%	154.1%	154.1%	152.8%	151.5%	150.3%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Furniture and Other Manufacturing	118.5%	118.5%	118.5%	117.3%	116.1%	115.0%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Electricity, gas, water and waste services												
Electricity, Gas, Water and Waste Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Electricity Supply	107.3%	107.3%	107.3%	106.9%	106.5%	106.2%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
Gas Supply	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Water Supply, Sewerage and Drainage Services	127.3%	127.3%	127.3%	125.2%	123.0%	120.9%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Waste Collection, Treatment and Disposal Services	129.2%	129.2%	129.2%	127.0%	124.9%	122.7%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Construction												
Construction, nfd	66.7%	66.7%	66.7%	65.6%	64.4%	63.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Building Construction	92.2%	92.2%	92.2%	89.8%	87.3%	84.9%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%
Heavy and Civil Engineering Construction	82.1%	82.1%	82.1%	80.8%	79.4%	78.0%	0.8%	0.8%	0.8%	0.7%	0.7%	0.7%
Construction Services	89.9%	89.9%	89.9%	86.6%	83.3%	80.0%	4.1%	4.1%	4.1%	4.1%	4.1%	4.1%
Wholesale trade												
Wholesale Trade, nfd	108.6%	108.6%	108.6%	108.6%	108.6%	108.6%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Basic Material Wholesaling	121.0%	121.0%	121.0%	113.0%	104.9%	96.8%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%
Machinery and Equipment Wholesaling	135.3%	135.3%	135.3%	133.0%	130.8%	128.5%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%
Motor Vehicle and Motor Vehicle Parts Wholesaling	138.9%	138.9%	138.9%	136.6%	134.3%	132.0%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Grocery, Liquor and Tobacco Product Wholesaling	104.3%	104.3%	104.3%	103.5%	102.6%	101.7%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Other Goods Wholesaling	115.9%	115.9%	115.9%	113.0%	110.1%	107.2%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Commission-Based Wholesaling	133.3%	133.3%	133.3%	128.9%	124.4%	120.0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Retail trade												
Retail Trade, nfd	111.7%	111.7%	111.7%	109.8%	108.0%	106.1%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Motor Vehicle and Motor Vehicle Parts Retailing	140.4%	140.4%	140.4%	139.2%	138.1%	136.9%	1.1%	1.1%	1.1%	1.1%	1.1%	1.1%
Fuel Retailing	118.6%	118.6%	118.6%	116.7%	114.7%	112.7%	0.5%	0.5%	0.5%	0.5%	0.5%	0.4%
Food Retailing	116.3%	116.3%	116.3%	114.4%	112.4%	110.5%	3.8%	3.8%	3.8%	3.8%	3.7%	3.7%
Other Store-Based Retailing	127.7%	127.7%	127.7%	126.6%	125.5%	124.5%	6.4%	6.4%	6.4%	6.4%	6.4%	6.4%
Non-Store Retailing and Retail Commission Based Buying and/or Selling	76.9%	76.9%	76.9%	76.9%	76.9%	76.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Accommodation and food services												
Accommodation and Food Services, nfd	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Accommodation	109.4%	109.4%	109.4%	107.9%	106.5%	105.0%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%
Food and Beverage Services	110.0%	110.0%	110.0%	108.5%	107.0%	105.6%	5.6%	5.6%	5.6%	5.6%	5.5%	5.5%
Transport, postal and warehousing												
Transport, Postal and Warehousing, nfd	71.4%	71.4%	71.4%	71.4%	71.4%	71.4%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Road Transport	106.9%	106.9%	106.9%	104.4%	101.9%	99.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Rail Transport	126.8%	126.8%	126.8%	126.4%	126.0%	125.5%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%
Water Transport	57.1%	57.1%	57.1%	56.7%	56.2%	55.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Air and Space Transport	136.4%	136.4%	136.4%	136.4%	136.4%	136.4%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Other Transport	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Postal and Courier Pick-up and Delivery Services	105.9%	105.9%	105.9%	105.4%	104.8%	104.3%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Transport Support Services	107.0%	107.0%	107.0%	106.1%	105.2%	104.3%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%
Warehousing and Storage Services	125.0%	125.0%	125.0%	118.8%	112.5%	106.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Information media and telecommunications												
Information Media and Telecommunications, nfd	133.3%	133.3%	133.3%	133.3%	133.3%	133.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Publishing (except Internet and Music Publishing)	121.0%	121.0%	121.0%	119.0%	117.0%	115.0%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Motion Picture and Sound Recording Activities	112.5%	112.5%	112.5%	112.5%	112.5%	112.5%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Broadcasting (except Internet)	128.7%	128.7%	128.7%	128.7%	128.7%	128.7%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Internet Publishing and Broadcasting	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Telecommunications Services	123.5%	123.5%	123.5%	120.4%	117.4%	114.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Internet Service Providers, Web Search Portals and Data Processing Services	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Library and Other Information	157.1%	157.1%	157.1%	146.7%	136.2%	125.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Services												
Financial and insurance services												
Financial and Insurance Services, nfd	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Finance	125.3%	125.3%	125.3%	123.6%	121.9%	120.3%	1.4%	1.4%	1.4%	1.4%	1.4%	1.4%
Insurance and Superannuation Funds	137.8%	137.8%	137.8%	136.6%	135.5%	134.3%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Auxiliary Finance and Insurance Services	134.8%	134.8%	134.8%	133.0%	131.2%	129.4%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Rental, hiring and real estate services												
Rental, Hiring and Real Estate Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Rental and Hiring Services (except Real Estate)	115.9%	115.9%	115.9%	115.0%	114.0%	113.0%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%
Property Operators and Real Estate Services	118.8%	118.8%	118.8%	116.0%	113.3%	110.5%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Professional, scientific and technical services												
Professional, Scientific and Technical Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	127.8%	127.8%	127.8%	125.6%	123.5%	121.4%	3.1%	3.1%	3.1%	3.1%	3.1%	3.1%
Computer System Design and Related Services	109.1%	109.1%	109.1%	108.2%	107.3%	106.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Administrative and support services												
Administrative and Support Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Administrative Services	115.6%	115.6%	115.6%	114.8%	114.1%	113.3%	1.2%	1.2%	1.2%	1.2%	1.1%	1.1%
Building Cleaning, Pest Control and Other Support Services	89.6%	89.6%	89.6%	87.4%	85.2%	82.9%	1.3%	1.3%	1.3%	1.3%	1.3%	1.3%
Public administration and safety												
Public Administration and Safety, nfd	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Public Administration	128.2%	128.2%	128.2%	127.3%	126.5%	125.6%	4.6%	4.6%	4.6%	4.6%	4.6%	4.6%
Defence	142.3%	142.3%	142.3%	142.3%	142.3%	142.3%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Public Order, Safety and Regulatory Services	113.9%	113.9%	113.9%	112.0%	110.1%	108.2%	1.9%	1.9%	1.9%	1.9%	1.9%	1.9%
Education and training												
Education and Training, nfd	123.1%	123.1%	123.1%	123.1%	123.1%	123.1%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%
Preschool and School Education	114.5%	114.5%	114.5%	112.6%	110.6%	108.7%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%
Tertiary Education	144.6%	144.6%	144.6%	144.3%	144.1%	143.8%	3.4%	3.4%	3.4%	3.4%	3.4%	3.4%
Adult, Community and Other Education	108.4%	108.4%	108.4%	107.0%	105.5%	104.1%	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%
Health care and social assistance												
Health Care and Social Assistance, nfd	102.6%	102.6%	102.6%	102.6%	102.6%	102.6%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
Hospitals	133.4%	133.4%	133.4%	132.5%	131.6%	130.8%	4.4%	4.4%	4.4%	4.4%	4.4%	4.4%



	Projected Employment Retention						Projected Share of Employment					
	2010	2011	2016	2021	2026	2031	2010	2011	2016	2021	2026	2031
Medical and Other Health Care Services	129.8%	129.8%	129.8%	127.4%	125.0%	122.6%	2.7%	2.7%	2.7%	2.7%	2.7%	2.7%
Residential Care Services	122.0%	122.0%	122.0%	119.0%	115.9%	112.9%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%
Social Assistance Services	118.7%	118.7%	118.7%	116.7%	114.7%	112.7%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%
Arts and recreation services												
Arts and Recreation Services, nfd	185.7%	185.7%	185.7%	185.7%	185.7%	185.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Heritage Activities	167.9%	167.9%	167.9%	162.3%	156.7%	151.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Creative and Performing Arts Activities	120.0%	120.0%	120.0%	119.2%	118.4%	117.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sport and Recreation Activities	116.3%	116.3%	116.3%	115.3%	114.4%	113.4%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
Gambling Activities	123.5%	123.5%	123.5%	121.9%	120.2%	118.6%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Other services												
Other Services, nfd	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Repair and Maintenance	119.5%	119.5%	119.5%	117.5%	115.6%	113.6%	2.3%	2.3%	2.3%	2.3%	2.3%	2.3%
Personal Care and Other Services	121.5%	121.5%	121.5%	120.3%	119.1%	117.9%	2.1%	2.1%	2.1%	2.1%	2.1%	2.1%
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Inadequately described	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Not stated	7.1%	7.1%	7.1%	7.1%	7.1%	7.1%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%

Source: Economic Associates estimates



Table C-5 Projected Employment by two digit ANZSIC, Fitzroy Planning Area, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	467	484	530	583	642	703
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	0	0	0	0	0
Fishing, Hunting and Trapping	0	0	0	0	0	0
Agriculture, Forestry and Fishing Support Services	7	7	8	9	10	11
Mining						
Mining, nfd	8	9	9	10	11	11
Coal Mining	5	5	5	6	6	7
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	18	19	20	22	23	25
Exploration and Other Mining Support Services	5	5	5	7	8	10
Manufacturing						
Manufacturing, nfd	15	16	19	24	30	36
Food Product Manufacturing	66	69	80	123	174	235
Beverage and Tobacco Product Manufacturing	0	0	0	1	3	5
Textile, Leather, Clothing and Footwear Manufacturing	4	4	5	6	8	11
Wood Product Manufacturing	4	4	5	8	12	16
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	0	0	0	1	1	2
Petroleum and Coal Product Manufacturing	0	0	0	1	3	5
Basic Chemical and Chemical Product Manufacturing	38	40	47	54	63	73
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	0
Non-Metallic Mineral Product Manufacturing	19	20	26	42	63	90
Primary Metal and Metal Product Manufacturing	33	34	41	50	62	75
Fabricated Metal Product Manufacturing	16	17	21	28	36	46
Transport Equipment Manufacturing	15	16	18	27	38	50
Machinery and Equipment Manufacturing	4	4	5	9	14	20



	2010	2011	2016	2021	2026	2031
Furniture and Other Manufacturing	4	4	5	6	7	9
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	235	244	267	285	304	323
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	0	0	0	3	6	10
Waste Collection, Treatment and Disposal Services	12	12	14	14	15	16
Construction						
Construction, nfd	6	6	7	8	9	10
Building Construction	32	33	38	49	62	77
Heavy and Civil Engineering Construction	27	28	31	35	39	43
Construction Services	121	125	140	180	226	276
Wholesale trade						
Wholesale Trade, nfd	0	0	0	0	0	0
Basic Material Wholesaling	33	35	42	58	78	101
Machinery and Equipment Wholesaling	11	12	14	24	37	52
Motor Vehicle and Motor Vehicle Parts Wholesaling	16	17	20	23	27	32
Grocery, Liquor and Tobacco Product Wholesaling	20	21	24	29	34	40
Other Goods Wholesaling	4	4	5	7	10	13
Commission-Based Wholesaling	4	4	4	5	6	7
Retail trade						
Retail Trade, nfd	5	5	5	9	12	16
Motor Vehicle and Motor Vehicle Parts Retailing	7	7	8	13	18	24
Fuel Retailing	32	33	37	41	47	52
Food Retailing	36	37	42	60	82	107
Other Store-Based Retailing	37	38	42	60	79	101
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0
Accommodation	8	9	9	13	17	22
Food and Beverage Services	56	58	64	83	105	129



	2010	2011	2016	2021	2026	2031
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	162	168	191	239	295	358
Rail Transport	57	59	69	82	98	117
Water Transport	0	0	0	0	0	0
Air and Space Transport	0	0	0	0	0	0
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	6	6	7	8	9	11
Transport Support Services	11	11	12	15	19	23
Warehousing and Storage Services	5	5	5	6	7	8
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	0	0	0	0	0	0
Motion Picture and Sound Recording Activities	0	0	0	0	0	0
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	8	9	9	11	13	15
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	4	4	4	5	6	7
Insurance and Superannuation Funds	0	0	0	0	0	1
Auxiliary Finance and Insurance Services	4	4	4	5	5	6
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	7	7	8	9	11	12
Property Operators and Real Estate Services	29	30	33	36	41	45
Professional, scientific and technical services						
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except	27	28	31	36	41	47



	2010	2011	2016	2021	2026	2031
Computer Systems Design and Related Services)						
Computer System Design and Related Services	0	0	0	0	1	1
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	10	10	11	13	14	16
Building Cleaning, Pest Control and Other Support Services	33	35	38	42	46	50
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	107	111	122	134	148	162
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	10	10	11	15	20	25
Education and training						
Education and Training, nfd	5	5	5	6	6	6
Preschool and School Education	161	167	183	208	235	264
Tertiary Education	0	0	0	2	4	6
Adult, Community and Other Education	8	9	9	11	12	13
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	0	0	0	6	13	21
Medical and Other Health Care Services	11	11	12	17	22	28
Residential Care Services	82	85	93	105	117	129
Social Assistance Services	47	48	53	57	62	67
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	0	0	0	1	1	2
Creative and Performing Arts Activities	0	0	0	0	0	0
Sport and Recreation Activities	4	4	4	5	6	7
Gambling Activities	0	0	0	1	1	2
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	88	92	100	114	129	145



	2010	2011	2016	2021	2026	2031
Personal Care and Other Services	11	11	12	14	15	17
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	5	5	5	6	6	6

Source: Economic Associates estimates



Table C-6 Projected Employment by two digit ANZSIC, Livingstone Planning Area, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	5	5	5	5	6	6
Agriculture	545	562	608	637	667	693
Aquaculture	0	0	0	0	0	0
Forestry and Logging	29	30	33	34	35	36
Fishing, Hunting and Trapping	22	23	25	26	27	27
Agriculture, Forestry and Fishing Support Services	37	38	42	43	45	46
Mining						
Mining, nfd	15	16	17	18	19	20
Coal Mining	12	12	13	14	15	15
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	30	31	34	36	38	40
Exploration and Other Mining Support Services	30	31	34	36	38	41
Manufacturing						
Manufacturing, nfd	38	40	43	45	48	50
Food Product Manufacturing	442	458	508	536	564	589
Beverage and Tobacco Product Manufacturing	4	4	4	4	5	5
Textile, Leather, Clothing and Footwear Manufacturing	20	21	23	25	27	29
Wood Product Manufacturing	43	44	49	54	60	65
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	12	12	14	15	17	19
Petroleum and Coal Product Manufacturing						
Basic Chemical and Chemical Product Manufacturing	5	5	5	6	6	7
Polymer Product and Rubber Product Manufacturing	4	4	4	4	5	5
Non-Metallic Mineral Product Manufacturing	60	62	68	75	83	91
Primary Metal and Metal Product Manufacturing	19	20	22	24	26	28
Fabricated Metal Product Manufacturing	26	27	30	33	36	39



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	17	17	19	20	22	23
Machinery and Equipment Manufacturing	27	28	31	34	36	38
Furniture and Other Manufacturing	27	28	31	34	37	40
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	22	23	25	27	30	34
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	7	7	8	9	10	11
Waste Collection, Treatment and Disposal Services	10	11	12	13	14	15
Construction						
Construction, nfd	27	28	30	32	33	35
Building Construction	227	235	254	282	313	344
Heavy and Civil Engineering Construction	34	35	38	40	42	44
Construction Services	418	433	480	538	602	669
Wholesale trade						
Wholesale Trade, nfd	10	11	12	13	14	14
Basic Material Wholesaling	61	63	70	79	90	102
Machinery and Equipment Wholesaling	7	7	8	9	10	11
Motor Vehicle and Motor Vehicle Parts Wholesaling	0	0	0	1	2	3
Grocery, Liquor and Tobacco Product Wholesaling	76	79	88	98	110	122
Other Goods Wholesaling	11	11	12	14	16	19
Commission-Based Wholesaling	0	0	0	0	0	0
Retail trade						
Retail Trade, nfd	52	54	59	64	70	76
Motor Vehicle and Motor Vehicle Parts Retailing	33	35	38	43	48	53
Fuel Retailing	77	79	86	92	99	106
Food Retailing	318	328	355	388	424	460
Other Store-Based Retailing	421	434	470	510	553	597
Non-Store Retailing and Retail Commission Based Buying and/or Selling	3	4	4	4	5	5
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Accommodation	503	518	561	608	659	709
Food and Beverage Services	526	542	587	641	700	760
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	114	118	131	143	157	170
Rail Transport	7	7	8	9	9	10
Water Transport	3	4	4	4	5	5
Air and Space Transport	0	0	0	0	0	0
Other Transport	15	16	17	18	20	21
Postal and Courier Pick-up and Delivery Services	45	47	52	57	62	67
Transport Support Services	7	7	8	9	10	11
Warehousing and Storage Services	7	7	8	9	10	10
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	18	19	21	25	30	35
Motion Picture and Sound Recording Activities	3	4	4	4	5	5
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	10	11	12	13	15	17
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	1	2	4
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	72	75	81	94	109	124
Insurance and Superannuation Funds	12	12	13	15	18	21
Auxiliary Finance and Insurance Services	20	20	22	27	32	38
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	49	51	55	61	67	74
Property Operators and Real Estate Services	166	171	185	205	228	251
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	259	267	289	328	373	418
Computer System Design and Related Services	15	16	17	19	21	23
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	62	64	69	77	85	94
Building Cleaning, Pest Control and Other Support Services	92	95	103	118	135	152
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	393	405	439	479	523	568
Defence	3	4	4	4	5	5
Public Order, Safety and Regulatory Services	204	210	228	253	281	309
Education and training						
Education and Training, nfd	20	20	22	24	26	27
Preschool and School Education	766	790	855	941	1,037	1,133
Tertiary Education	21	22	23	27	31	35
Adult, Community and Other Education	51	53	57	64	71	78
Health care and social assistance						
Health Care and Social Assistance, nfd	5	5	5	6	6	6
Hospitals	140	144	156	173	192	212
Medical and Other Health Care Services	195	201	217	249	284	321
Residential Care Services	139	143	155	183	215	248
Social Assistance Services	146	150	163	191	222	256
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	14	14	16	18	20	23
Creative and Performing Arts Activities	13	13	14	15	16	17
Sport and Recreation Activities	44	46	49	53	56	60
Gambling Activities	7	7	8	9	9	10



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	136	141	156	178	202	228
Personal Care and Other Services	114	118	128	144	162	181
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	13	13	14	15	17	18
Total	7,715	7,964	8,666	9,524	10,471	11,424

Source: Economic Associates estimates



Table C-7 Projected Employment by two digit ANZSIC, Mount Morgan Planning Area, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	21	22	24	25	26	28
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	0	0	0	0	0
Fishing, Hunting and Trapping	0	0	0	0	0	0
Agriculture, Forestry and Fishing Support Services	0	0	0	0	0	0
Mining						
Mining, nfd	0	0	0	0	0	0
Coal Mining	17	17	19	19	20	20
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	0	0	0	0	0	0
Exploration and Other Mining Support Services	3	3	4	4	4	4
Manufacturing						
Manufacturing, nfd	3	3	4	4	4	4
Food Product Manufacturing	0	0	0	0	0	0
Beverage and Tobacco Product Manufacturing	0	0	0	0	0	0
Textile, Leather, Clothing and Footwear Manufacturing	0	0	0	0	0	0
Wood Product Manufacturing	0	0	0	0	0	0
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	0	0	0	0	0	0
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	0	0	0	0	0	0
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	0
Non-Metallic Mineral Product Manufacturing	0	0	0	0	0	0
Primary Metal and Metal Product Manufacturing	7	7	8	9	9	10
Fabricated Metal Product Manufacturing	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	0	0	0	0	0	0
Machinery and Equipment Manufacturing	0	0	0	0	0	0
Furniture and Other Manufacturing	0	0	0	0	0	0
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	0	0	0	0	0	0
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	0	0	0	0	0	0
Waste Collection, Treatment and Disposal Services	0	0	0	0	0	0
Construction						
Construction, nfd	0	0	0	0	0	0
Building Construction	5	5	5	5	6	6
Heavy and Civil Engineering Construction	0	0	0	0	0	0
Construction Services	10	11	12	13	14	15
Wholesale trade						
Wholesale Trade, nfd	0	0	0	0	0	0
Basic Material Wholesaling	0	0	0	0	0	0
Machinery and Equipment Wholesaling	0	0	0	0	0	0
Motor Vehicle and Motor Vehicle Parts Wholesaling	0	0	0	0	0	0
Grocery, Liquor and Tobacco Product Wholesaling	7	7	8	9	9	10
Other Goods Wholesaling	0	0	0	0	0	0
Commission-Based Wholesaling	0	0	0	0	0	0
Retail trade						
Retail Trade, nfd	7	7	7	8	8	9
Motor Vehicle and Motor Vehicle Parts Retailing	0	0	0	0	0	0
Fuel Retailing	5	5	5	5	6	6
Food Retailing	26	27	29	30	32	34
Other Store-Based Retailing	18	19	20	21	22	24
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Accommodation	9	9	10	11	11	12
Food and Beverage Services	25	26	27	29	31	32
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	3	3	4	4	4	4
Road Transport	9	10	11	11	12	13
Rail Transport	0	0	0	0	0	0
Water Transport	0	0	0	0	0	0
Air and Space Transport	0	0	0	0	0	0
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	5	5	5	6	6	7
Transport Support Services	0	0	0	0	0	0
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	0	0	0	0	0	0
Motion Picture and Sound Recording Activities	0	0	0	0	0	0
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	0	0	0	0	0	0
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	0	0	0	0	0	0
Insurance and Superannuation Funds	0	0	0	0	0	0
Auxiliary Finance and Insurance Services	0	0	0	0	0	0
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	0	0	0	0	0	0
Property Operators and Real Estate Services	0	0	0	0	0	0
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	8	8	9	9	10	10
Computer System Design and Related Services	0	0	0	0	0	0
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	9	9	10	11	11	12
Building Cleaning, Pest Control and Other Support Services	3	3	4	4	4	4
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	40	41	44	46	49	51
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	0	0	0	0	0	0
Education and training						
Education and Training, nfd	0	0	0	0	0	0
Preschool and School Education	74	76	81	86	91	96
Tertiary Education	3	3	4	4	4	4
Adult, Community and Other Education	3	3	4	4	4	4
Health care and social assistance						
Health Care and Social Assistance, nfd	3	3	4	4	4	4
Hospitals	43	44	47	50	53	56
Medical and Other Health Care Services	17	17	19	20	21	22
Residential Care Services	31	31	34	36	38	40
Social Assistance Services	17	17	19	20	21	22
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	0	0	0	0	0	0
Creative and Performing Arts Activities	0	0	0	0	0	0
Sport and Recreation Activities	0	0	0	0	0	0
Gambling Activities	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	7	7	8	9	9	10
Personal Care and Other Services	3	3	4	4	4	4
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	0	0	0	0	0	0
Total	442	455	489	518	548	579

Source: Economic Associates estimates



Table C-8 Projected Employment by two digit ANZSIC, Rockhampton Planning Area, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	98	100	105	107	109	112
Aquaculture	0	0	0	0	0	0
Forestry and Logging	7	7	7	7	7	7
Fishing, Hunting and Trapping	7	7	7	7	7	7
Agriculture, Forestry and Fishing Support Services	10	10	11	11	11	11
Mining						
Mining, nfd	34	35	36	37	37	38
Coal Mining	32	32	34	36	39	41
Oil and Gas Extraction	3	3	4	4	4	4
Metal Ore Mining	5	5	5	5	5	5
Non-Metallic Mineral Mining and Quarrying	10	10	11	11	11	11
Exploration and Other Mining Support Services	88	90	98	104	111	118
Manufacturing						
Manufacturing, nfd	196	200	209	212	216	220
Food Product Manufacturing	869	887	935	991	1,049	1,114
Beverage and Tobacco Product Manufacturing	35	36	39	41	42	44
Textile, Leather, Clothing and Footwear Manufacturing	50	51	53	53	53	53
Wood Product Manufacturing	95	97	101	101	101	101
Pulp, Paper and Converted Paper Product Manufacturing	11	12	12	12	12	12
Printing (including Reproduction of Recorded Media)	43	44	46	48	51	53
Petroleum and Coal Product Manufacturing	6	6	7	7	7	8
Basic Chemical and Chemical Product Manufacturing	33	34	37	38	39	41
Polymer Product and Rubber Product Manufacturing	34	35	36	37	37	38
Non-Metallic Mineral Product Manufacturing	433	443	474	492	510	530
Primary Metal and Metal Product Manufacturing	218	224	243	257	271	286
Fabricated Metal Product Manufacturing	273	280	305	323	342	362



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	381	389	407	414	421	429
Machinery and Equipment Manufacturing	263	270	294	313	333	355
Furniture and Other Manufacturing	109	111	116	119	121	125
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	787	802	839	865	891	921
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	127	129	135	138	140	142
Waste Collection, Treatment and Disposal Services	35	36	37	38	39	39
Construction						
Construction, nfd	48	48	51	52	52	53
Building Construction	672	685	717	722	726	732
Heavy and Civil Engineering Construction	182	186	194	198	201	205
Construction Services	1,083	1,104	1,156	1,151	1,145	1,140
Wholesale trade						
Wholesale Trade, nfd	43	44	46	47	49	51
Basic Material Wholesaling	241	246	257	248	238	228
Machinery and Equipment Wholesaling	556	567	593	603	613	625
Motor Vehicle and Motor Vehicle Parts Wholesaling	149	152	159	162	165	168
Grocery, Liquor and Tobacco Product Wholesaling	191	195	204	209	215	221
Other Goods Wholesaling	140	143	150	151	152	154
Commission-Based Wholesaling	27	28	29	29	29	29
Retail trade						
Retail Trade, nfd	195	198	208	211	215	219
Motor Vehicle and Motor Vehicle Parts Retailing	472	481	504	516	529	544
Fuel Retailing	158	162	169	172	175	178
Food Retailing	1,292	1,317	1,378	1,401	1,424	1,451
Other Store-Based Retailing	2,418	2,465	2,579	2,645	2,712	2,789
Non-Store Retailing and Retail Commission Based Buying and/or Selling	11	12	12	12	13	13
Accommodation and food services						
Accommodation and Food Services, nfd	3	3	4	4	4	4



	2010	2011	2016	2021	2026	2031
Accommodation	554	564	590	602	615	629
Food and Beverage Services	1,810	1,845	1,931	1,970	2,010	2,055
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	11	12	12	12	13	13
Road Transport	769	784	820	828	836	846
Rail Transport	1,018	1,037	1,086	1,119	1,153	1,192
Water Transport	5	5	5	5	5	5
Air and Space Transport	34	35	36	37	39	40
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	183	187	196	201	207	214
Transport Support Services	121	123	129	132	136	140
Warehousing and Storage Services	6	6	6	6	6	6
Information media and telecommunications						
Information Media and Telecommunications, nfd	5	5	5	5	5	5
Publishing (except Internet and Music Publishing)	163	166	174	177	180	183
Motion Picture and Sound Recording Activities	31	31	33	34	35	36
Broadcasting (except Internet)	127	129	135	140	145	150
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	119	121	127	128	129	130
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	12	13	13	13	12	12
Financial and insurance services						
Financial and Insurance Services, nfd	5	5	5	5	5	5
Finance	511	520	545	556	567	580
Insurance and Superannuation Funds	140	143	150	154	157	162
Auxiliary Finance and Insurance Services	237	241	252	257	263	269
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	206	210	220	225	231	238
Property Operators and Real Estate Services	358	365	382	385	389	394
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	1,161	1,184	1,239	1,260	1,281	1,305
Computer System Design and Related Services	95	97	101	104	107	110
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	394	402	420	432	443	457
Building Cleaning, Pest Control and Other Support Services	343	350	366	369	372	375
Public administration and safety						
Public Administration and Safety, nfd	3	3	4	4	4	4
Public Administration	1,734	1,768	1,850	1,900	1,952	2,010
Defence	84	85	89	92	96	99
Public Order, Safety and Regulatory Services	651	664	694	706	718	731
Education and training						
Education and Training, nfd	91	92	97	100	103	107
Preschool and School Education	2,043	2,083	2,179	2,216	2,253	2,296
Tertiary Education	1,458	1,486	1,555	1,605	1,658	1,716
Adult, Community and Other Education	218	223	233	238	243	248
Health care and social assistance						
Health Care and Social Assistance, nfd	88	90	94	97	101	104
Hospitals	1,726	1,760	1,841	1,891	1,943	2,001
Medical and Other Health Care Services	1,046	1,066	1,116	1,133	1,149	1,169
Residential Care Services	746	760	796	802	808	816
Social Assistance Services	1,022	1,042	1,090	1,109	1,127	1,149
Arts and recreation services						
Arts and Recreation Services, nfd	15	15	16	16	17	17
Heritage Activities	53	54	57	57	57	57
Creative and Performing Arts Activities	14	14	14	15	15	16
Sport and Recreation Activities	186	189	198	203	208	214
Gambling Activities	24	24	25	26	26	27



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	824	840	879	894	909	926
Personal Care and Other Services	748	763	798	817	836	859
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	20	21	22	22	23	24
Total	33,383	34,043	35,677	36,460	37,259	38,174

Source: Economic Associates estimates



ECONOMIC ASSOCIATES

Appendix D

Detailed Employment Projections by Sub-Area

**Fitzroy Planning Area****Table D-1 Projected Employment by two digit ANZSIC, Gracemere, 2010-2031**

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	241	242	244	247	250	253
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	0	0	0	0	0
Fishing, Hunting and Trapping	0	0	0	0	0	0
Agriculture, Forestry and Fishing Support Services	4	4	4	4	4	4
Mining						
Mining, nfd	4	5	5	6	7	7
Coal Mining	2	3	3	3	4	4
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	9	10	11	13	14	15
Exploration and Other Mining Support Services	2	3	3	4	6	7
Manufacturing						
Manufacturing, nfd	8	8	11	16	21	27
Food Product Manufacturing	22	22	22	24	27	30
Beverage and Tobacco Product Manufacturing	0	0	0	0	0	0
Textile, Leather, Clothing and Footwear Manufacturing	1	1	1	1	1	2
Wood Product Manufacturing	1	1	1	1	2	2
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	0	0	0	0	0	0
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	13	13	13	13	14	14
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	0
Non-Metallic Mineral Product Manufacturing	6	6	7	7	8	10
Primary Metal and Metal Product Manufacturing	11	11	11	12	12	13



	2010	2011	2016	2021	2026	2031
Fabricated Metal Product Manufacturing	5	5	6	6	6	7
Transport Equipment Manufacturing	5	5	5	6	6	7
Machinery and Equipment Manufacturing	1	1	1	1	2	2
Furniture and Other Manufacturing	1	1	1	1	1	1
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	121	129	150	166	183	201
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	0	0	0	3	5	9
Waste Collection, Treatment and Disposal Services	6	7	8	8	9	10
Construction						
Construction, nfd	3	3	4	5	6	7
Building Construction	17	18	22	32	44	57
Heavy and Civil Engineering Construction	14	15	18	21	24	28
Construction Services	40	40	41	43	45	48
Wholesale trade						
Wholesale Trade, nfd	0	0	0	0	0	0
Basic Material Wholesaling	11	11	11	12	13	14
Machinery and Equipment Wholesaling	4	4	4	4	5	6
Motor Vehicle and Motor Vehicle Parts Wholesaling	5	5	5	6	6	6
Grocery, Liquor and Tobacco Product Wholesaling	7	7	7	7	7	8
Other Goods Wholesaling	1	1	1	1	1	2
Commission-Based Wholesaling	2	2	2	3	4	5
Retail trade						
Retail Trade, nfd	4	4	4	7	10	14
Motor Vehicle and Motor Vehicle Parts Retailing	2	2	2	3	3	3
Fuel Retailing	25	26	29	34	38	43
Food Retailing	28	29	34	50	70	92
Other Store-Based Retailing	29	30	34	50	67	87
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						



	2010	2011	2016	2021	2026	2031
Accommodation and Food Services, nfd	0	0	0	0	0	0
Accommodation	4	5	5	9	12	16
Food and Beverage Services	29	31	36	54	73	94
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	54	54	55	57	60	63
Rail Transport	19	19	19	20	21	22
Water Transport	0	0	0	0	0	0
Air and Space Transport	0	0	0	0	0	0
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	2	2	2	2	2	2
Transport Support Services	4	4	4	4	4	4
Warehousing and Storage Services	2	2	2	2	2	2
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	0	0	0	0	0	0
Motion Picture and Sound Recording Activities	0	0	0	0	0	0
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	4	5	5	7	9	11
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	3	3	4	4	5	6
Insurance and Superannuation Funds	0	0	0	0	0	0
Auxiliary Finance and Insurance Services	3	3	4	4	5	5
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	6	6	7	8	9	11
Property Operators and Real Estate Services	25	26	28	32	36	40



	2010	2011	2016	2021	2026	2031
Professional, scientific and technical services						
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	24	25	27	32	36	41
Computer System Design and Related Services	0	0	0	0	1	1
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	8	9	9	11	13	14
Building Cleaning, Pest Control and Other Support Services	29	30	33	37	40	44
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	94	97	107	118	130	142
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	5	5	6	10	14	19
Education and training						
Education and Training, nfd	2	2	2	3	3	3
Preschool and School Education	61	67	81	103	128	154
Tertiary Education	0	0	0	2	3	5
Adult, Community and Other Education	3	3	4	5	6	7
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	0	0	0	6	12	19
Medical and Other Health Care Services	11	11	12	16	21	26
Residential Care Services	82	85	92	102	113	125
Social Assistance Services	47	48	52	56	61	65
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	0	0	0	1	1	2
Creative and Performing Arts Activities	0	0	0	0	0	0
Sport and Recreation Activities	2	2	2	3	4	5



	2010	2011	2016	2021	2026	2031
Gambling Activities	0	0	0	0	1	2
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	29	29	30	30	31	32
Personal Care and Other Services	6	6	7	8	10	11
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	2	3	3	3	4	4
Total	1,217	1,256	1,367	1,571	1,798	2,044

Source: Economic Associates estimates



Table D-2 Projected Employment by two digit ANZSIC, Stanwell Industrial Corridor, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	79	80	82	85	88	91
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	0	0	0	0	0
Fishing, Hunting and Trapping	0	0	0	0	0	0
Agriculture, Forestry and Fishing Support Services	1	1	1	1	1	1
Mining						
Mining, nfd	1	1	1	2	2	2
Coal Mining	1	1	1	1	1	1
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	3	3	3	3	3	3
Exploration and Other Mining Support Services	1	1	1	1	1	1
Manufacturing						
Manufacturing, nfd	3	3	3	3	3	4
Food Product Manufacturing	41	44	55	93	139	194
Beverage and Tobacco Product Manufacturing	0	0	0	1	2	4
Textile, Leather, Clothing and Footwear Manufacturing	2	2	3	5	7	9
Wood Product Manufacturing	2	2	3	6	9	14
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	0	0	0	1	1	2
Petroleum and Coal Product Manufacturing	0	0	0	1	2	5
Basic Chemical and Chemical Product Manufacturing	24	26	32	39	47	56
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	0
Non-Metallic Mineral Product Manufacturing	12	13	18	33	52	76
Primary Metal and Metal Product Manufacturing	21	22	28	37	47	59
Fabricated Metal Product Manufacturing	10	11	14	20	28	37



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	10	10	12	20	30	41
Machinery and Equipment Manufacturing	2	3	3	7	11	17
Furniture and Other Manufacturing	2	2	3	4	5	7
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	40	40	41	42	43	44
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	0	0	0	0	0	0
Waste Collection, Treatment and Disposal Services	2	2	2	2	2	2
Construction						
Construction, nfd	1	1	1	1	1	1
Building Construction	5	5	6	6	7	8
Heavy and Civil Engineering Construction	5	5	5	5	5	5
Construction Services	76	80	94	130	170	216
Wholesale trade						
Wholesale Trade, nfd	0	0	0	0	0	0
Basic Material Wholesaling	21	22	29	43	61	82
Machinery and Equipment Wholesaling	7	7	10	19	30	44
Motor Vehicle and Motor Vehicle Parts Wholesaling	10	11	13	17	20	25
Grocery, Liquor and Tobacco Product Wholesaling	12	13	16	20	25	30
Other Goods Wholesaling	2	2	3	5	8	11
Commission-Based Wholesaling	1	1	1	1	1	1
Retail trade						
Retail Trade, nfd	0	0	0	1	1	1
Motor Vehicle and Motor Vehicle Parts Retailing	4	5	5	10	15	20
Fuel Retailing	3	3	3	3	3	4
Food Retailing	3	3	3	4	5	6
Other Store-Based Retailing	3	3	3	4	5	6
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Accommodation	1	1	1	2	2	2
Food and Beverage Services	10	10	10	11	12	13
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	102	108	128	172	222	278
Rail Transport	36	38	46	59	73	90
Water Transport	0	0	0	0	0	0
Air and Space Transport	0	0	0	0	0	0
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	4	4	4	6	7	8
Transport Support Services	7	7	8	11	14	17
Warehousing and Storage Services	3	3	4	4	5	5
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	0	0	0	0	0	0
Motion Picture and Sound Recording Activities	0	0	0	0	0	0
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	1	1	1	2	2	2
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	0	0	0	0	0	0
Insurance and Superannuation Funds	0	0	0	0	0	0
Auxiliary Finance and Insurance Services	0	0	0	0	0	0
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	0	0	0	0	0	0
Property Operators and Real Estate Services	0	0	0	0	1	1
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	0	0	0	0	1	1
Computer System Design and Related Services	0	0	0	0	0	0
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	0	0	0	0	0	0
Building Cleaning, Pest Control and Other Support Services	0	0	0	0	1	1
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	0	0	1	1	2	3
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	0	0	0	0	1	1
Education and training						
Education and Training, nfd	2	2	2	2	2	2
Preschool and School Education	57	57	58	59	61	62
Tertiary Education	0	0	0	0	0	0
Adult, Community and Other Education	3	3	3	3	3	3
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	0	0	0	0	1	1
Medical and Other Health Care Services	0	0	0	0	1	1
Residential Care Services	0	0	1	1	2	2
Social Assistance Services	0	0	0	1	1	1
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	0	0	0	0	0	0
Creative and Performing Arts Activities	0	0	0	0	0	0
Sport and Recreation Activities	1	1	1	1	1	1
Gambling Activities	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	56	59	66	79	92	106
Personal Care and Other Services	2	2	2	2	2	2
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	1	1	1	1	1	1
Total	697	727	839	1,091	1,390	1,736

Source: Economic Associates estimates



Table D-3 Projected Employment by two digit ANZSIC, Fitzroy Rural, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	147	162	203	251	304	359
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	0	0	0	0	0
Fishing, Hunting and Trapping	0	0	0	0	0	0
Agriculture, Forestry and Fishing Support Services	2	2	3	4	5	6
Mining						
Mining, nfd	3	3	3	3	3	3
Coal Mining	1	2	2	2	2	2
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	6	6	6	6	6	6
Exploration and Other Mining Support Services	1	2	2	2	2	2
Manufacturing						
Manufacturing, nfd	5	5	5	5	6	6
Food Product Manufacturing	3	3	3	5	8	11
Beverage and Tobacco Product Manufacturing	0	0	0	0	0	0
Textile, Leather, Clothing and Footwear Manufacturing	0	0	0	0	0	1
Wood Product Manufacturing	0	0	0	0	1	1
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	0	0	0	0	0	0
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	1	2	2	2	3	3
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	0
Non-Metallic Mineral Product Manufacturing	1	1	1	2	3	4
Primary Metal and Metal Product Manufacturing	1	1	2	2	3	3
Fabricated Metal Product Manufacturing	1	1	1	1	2	2



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	1	1	1	1	2	2
Machinery and Equipment Manufacturing	0	0	0	0	1	1
Furniture and Other Manufacturing	0	0	0	0	0	0
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	74	74	75	76	77	78
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	0	0	0	0	0	0
Waste Collection, Treatment and Disposal Services	4	4	4	4	4	4
Construction						
Construction, nfd	2	2	2	2	2	2
Building Construction	10	10	10	11	12	12
Heavy and Civil Engineering Construction	9	9	9	9	9	9
Construction Services	5	5	6	8	10	12
Wholesale trade						
Wholesale Trade, nfd	0	0	0	0	0	0
Basic Material Wholesaling	1	1	2	3	4	5
Machinery and Equipment Wholesaling	0	0	1	1	2	2
Motor Vehicle and Motor Vehicle Parts Wholesaling	1	1	1	1	1	1
Grocery, Liquor and Tobacco Product Wholesaling	1	1	1	1	1	2
Other Goods Wholesaling	0	0	0	0	0	1
Commission-Based Wholesaling	1	1	1	1	1	1
Retail trade						
Retail Trade, nfd	1	1	1	1	1	1
Motor Vehicle and Motor Vehicle Parts Retailing	0	0	0	1	1	1
Fuel Retailing	4	4	4	5	5	5
Food Retailing	5	5	5	6	7	8
Other Store-Based Retailing	5	5	5	6	7	8
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Accommodation	3	3	3	3	3	3
Food and Beverage Services	18	18	18	19	20	21
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	6	7	8	10	13	16
Rail Transport	2	2	3	3	4	5
Water Transport	0	0	0	0	0	0
Air and Space Transport	0	0	0	0	0	0
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	0	0	0	0	0	0
Transport Support Services	0	0	0	1	1	1
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	0	0	0	0	0	0
Motion Picture and Sound Recording Activities	0	0	0	0	0	0
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	3	3	3	3	3	3
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	0	0	0	1	1	1
Insurance and Superannuation Funds	0	0	0	0	0	0
Auxiliary Finance and Insurance Services	0	0	0	1	1	1
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	1	1	1	1	1	1
Property Operators and Real Estate Services	4	4	4	4	4	5
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	4	4	4	4	4	5
Computer System Design and Related Services	0	0	0	0	0	0
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	1	1	1	1	1	2
Building Cleaning, Pest Control and Other Support Services	4	4	5	5	5	5
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	14	14	15	15	16	17
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	5	5	5	5	5	5
Education and training						
Education and Training, nfd	1	1	1	1	1	1
Preschool and School Education	43	43	44	45	47	48
Tertiary Education	0	0	0	0	0	0
Adult, Community and Other Education	2	2	2	2	2	2
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	0	0	0	0	1	1
Medical and Other Health Care Services	0	0	0	0	1	1
Residential Care Services	0	0	1	1	2	2
Social Assistance Services	0	0	0	1	1	1
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	0	0	0	0	0	0
Creative and Performing Arts Activities	0	0	0	0	0	0
Sport and Recreation Activities	1	1	1	1	1	1
Gambling Activities	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	3	4	4	5	5	6
Personal Care and Other Services	3	3	3	4	4	4
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	1	2	2	2	2	2
Total	416	435	489	561	642	729

Source: Economic Associates estimates



Livingstone Planning Area

Table D-4 Projected Employment by two digit ANZSIC, Emu Park & Surrounds, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	1	1	1	1	1	1
Agriculture	69	70	70	71	72	72
Aquaculture	0	0	0	0	0	0
Forestry and Logging	4	4	4	4	4	4
Fishing, Hunting and Trapping	3	3	3	3	3	3
Agriculture, Forestry and Fishing Support Services	5	5	5	5	5	5
Mining						
Mining, nfd	2	2	2	2	2	3
Coal Mining	1	2	2	2	2	2
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	4	4	4	5	5	5
Exploration and Other Mining Support Services	4	4	4	5	5	5
Manufacturing						
Manufacturing, nfd	5	5	5	6	6	6
Food Product Manufacturing	0	0	0	0	0	0
Beverage and Tobacco Product Manufacturing	0	0	0	0	0	0
Textile, Leather, Clothing and Footwear Manufacturing	0	0	0	0	0	0
Wood Product Manufacturing	0	0	0	0	0	0
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	0	0	0	0	0	0
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	0	0	0	0	0	0
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	0
Non-Metallic Mineral Product Manufacturing	0	0	0	0	0	0
Primary Metal and Metal Product Manufacturing	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Fabricated Metal Product Manufacturing	0	0	0	0	0	0
Transport Equipment Manufacturing	0	0	0	0	0	0
Machinery and Equipment Manufacturing	0	0	0	0	0	0
Furniture and Other Manufacturing	0	0	0	0	0	0
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	3	3	3	3	4	4
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	1	1	1	1	1	1
Waste Collection, Treatment and Disposal Services	1	1	1	2	2	2
Construction						
Construction, nfd	3	4	4	4	4	4
Building Construction	29	30	32	36	40	44
Heavy and Civil Engineering Construction	4	4	5	5	5	6
Construction Services	0	0	0	0	0	0
Wholesale trade						
Wholesale Trade, nfd	1	1	1	2	2	2
Basic Material Wholesaling	0	0	0	0	0	0
Machinery and Equipment Wholesaling	0	0	0	0	0	0
Motor Vehicle and Motor Vehicle Parts Wholesaling	0	0	0	0	0	0
Grocery, Liquor and Tobacco Product Wholesaling	0	0	0	0	0	0
Other Goods Wholesaling	0	0	0	0	0	0
Commission-Based Wholesaling	0	0	0	0	0	0
Retail trade						
Retail Trade, nfd	4	5	5	6	7	7
Motor Vehicle and Motor Vehicle Parts Retailing	0	0	0	0	0	0
Fuel Retailing	7	7	8	8	9	10
Food Retailing	27	28	32	36	40	45
Other Store-Based Retailing	36	37	42	47	52	58
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						



	2010	2011	2016	2021	2026	2031
Accommodation and Food Services, nfd	0	0	0	0	0	0
Accommodation	64	66	71	77	84	90
Food and Beverage Services	67	69	75	81	89	97
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	0	0	0	0	0	0
Rail Transport	0	0	0	0	0	0
Water Transport	0	0	0	1	1	1
Air and Space Transport	0	0	0	0	0	0
Other Transport	2	2	2	2	2	3
Postal and Courier Pick-up and Delivery Services	0	0	0	0	0	0
Transport Support Services	0	0	0	0	0	0
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	0	0	0	0	0	0
Motion Picture and Sound Recording Activities	0	0	0	1	1	1
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	1	1	1	2	2	2
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	4	4	5	5	6	7
Insurance and Superannuation Funds	1	1	1	1	1	1
Auxiliary Finance and Insurance Services	1	1	1	2	2	2
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	3	3	3	3	4	4
Property Operators and Real Estate Services	10	10	11	12	13	14



	2010	2011	2016	2021	2026	2031
Professional, scientific and technical services						
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	15	16	17	19	21	23
Computer System Design and Related Services	1	1	1	1	1	1
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	4	4	4	4	5	5
Building Cleaning, Pest Control and Other Support Services	5	6	6	7	8	8
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	23	24	25	27	30	32
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	6	6	6	7	8	9
Education and training						
Education and Training, nfd	1	1	1	1	1	1
Preschool and School Education	41	42	45	50	55	60
Tertiary Education	1	1	1	1	2	2
Adult, Community and Other Education	3	3	3	3	4	4
Health care and social assistance						
Health Care and Social Assistance, nfd	1	1	1	1	1	1
Hospitals	24	25	27	30	34	37
Medical and Other Health Care Services	34	35	38	43	50	56
Residential Care Services	24	25	27	32	37	43
Social Assistance Services	25	26	28	33	39	45
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	2	2	2	2	3	3
Creative and Performing Arts Activities	2	2	2	2	2	2
Sport and Recreation Activities	6	6	6	7	7	8



	2010	2011	2016	2021	2026	2031
Gambling Activities	1	1	1	1	1	1
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	0	0	0	0	0	0
Personal Care and Other Services	15	15	16	18	21	23
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	2	2	2	2	2	2
Total	602	619	666	732	804	877

Source: Economic Associates estimates



Table D-5 Projected Employment by two digit ANZSIC I, Kinka Beach & Surrounds, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	25	26	26	26	27	27
Aquaculture	0	0	0	0	0	0
Forestry and Logging	1	1	1	1	1	1
Fishing, Hunting and Trapping	1	1	1	1	1	1
Agriculture, Forestry and Fishing Support Services	2	2	2	2	2	2
Mining						
Mining, nfd	1	1	1	1	1	1
Coal Mining	1	1	1	1	1	1
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	1	1	2	2	2	2
Exploration and Other Mining Support Services	1	1	2	2	2	2
Manufacturing						
Manufacturing, nfd	2	2	2	2	2	2
Food Product Manufacturing	30	30	32	33	35	36
Beverage and Tobacco Product Manufacturing	0	0	0	0	0	0
Textile, Leather, Clothing and Footwear Manufacturing	1	1	1	2	2	2
Wood Product Manufacturing	3	3	3	3	4	4
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	1	1	1	1	1	1
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	0	0	0	0	0	0
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	0
Non-Metallic Mineral Product Manufacturing	4	4	4	5	5	5
Primary Metal and Metal Product Manufacturing	1	1	1	1	2	2
Fabricated Metal Product Manufacturing	2	2	2	2	2	2



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	1	1	1	1	1	1
Machinery and Equipment Manufacturing	2	2	2	2	2	2
Furniture and Other Manufacturing	2	2	2	2	2	2
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	1	1	1	1	1	2
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	0	0	0	0	0	0
Waste Collection, Treatment and Disposal Services	0	1	1	1	1	1
Construction						
Construction, nfd	1	1	1	1	2	2
Building Construction	11	11	12	13	15	16
Heavy and Civil Engineering Construction	2	2	2	2	2	2
Construction Services	28	29	31	33	35	38
Wholesale trade						
Wholesale Trade, nfd	0	1	1	1	1	1
Basic Material Wholesaling	4	4	4	5	5	6
Machinery and Equipment Wholesaling	0	0	1	1	1	1
Motor Vehicle and Motor Vehicle Parts Wholesaling	0	0	0	0	0	0
Grocery, Liquor and Tobacco Product Wholesaling	5	5	6	6	6	7
Other Goods Wholesaling	1	1	1	1	1	1
Commission-Based Wholesaling	0	0	0	0	0	0
Retail trade						
Retail Trade, nfd	1	1	1	1	1	1
Motor Vehicle and Motor Vehicle Parts Retailing	2	2	2	3	3	3
Fuel Retailing	1	1	1	1	2	2
Food Retailing	5	5	5	6	7	7
Other Store-Based Retailing	6	6	7	8	9	9
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Accommodation	24	24	26	28	31	33
Food and Beverage Services	25	25	27	30	33	36
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	8	8	8	9	9	10
Rail Transport	0	0	1	1	1	1
Water Transport	0	0	0	0	0	0
Air and Space Transport	0	0	0	0	0	0
Other Transport	1	1	1	1	1	1
Postal and Courier Pick-up and Delivery Services	3	3	3	4	4	4
Transport Support Services	0	0	1	1	1	1
Warehousing and Storage Services	0	0	1	1	1	1
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	1	1	1	1	2	2
Motion Picture and Sound Recording Activities	0	0	0	0	0	0
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	0	1	1	1	1	1
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	0	0	0	0	0	0
Insurance and Superannuation Funds	0	0	0	0	0	0
Auxiliary Finance and Insurance Services	0	0	0	0	0	0
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	0	0	0	0	0	0
Property Operators and Real Estate Services	0	0	0	0	0	0
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	0	0	0	0	0	0
Computer System Design and Related Services	0	0	0	0	0	0
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	0	0	0	0	0	0
Building Cleaning, Pest Control and Other Support Services	0	0	0	0	0	0
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	0	0	0	0	0	0
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	0	0	0	0	0	0
Education and training						
Education and Training, nfd	0	0	0	0	0	0
Preschool and School Education	0	0	0	0	0	0
Tertiary Education	0	0	0	0	0	0
Adult, Community and Other Education	0	0	0	0	0	0
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	0	0	0	0	0	0
Medical and Other Health Care Services	0	0	0	0	0	0
Residential Care Services	0	0	0	0	0	0
Social Assistance Services	0	0	0	0	0	0
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	1	1	1	1	1	1
Creative and Performing Arts Activities	1	1	1	1	1	1
Sport and Recreation Activities	2	2	2	2	3	3
Gambling Activities	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	9	9	10	11	12	13
Personal Care and Other Services	5	6	6	7	8	8
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	1	1	1	1	1	1
Total	234	239	256	273	293	312

Source: Economic Associates estimates



Table D-6 Projected Employment by two digit ANZSIC, Livingstone Rural Balance, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	1	1	2	2	2	2
Agriculture	161	168	189	202	216	228
Aquaculture	0	0	0	0	0	0
Forestry and Logging	9	9	10	11	11	12
Fishing, Hunting and Trapping	7	7	8	8	9	9
Agriculture, Forestry and Fishing Support Services	11	12	13	14	14	15
Mining						
Mining, nfd	4	5	5	5	6	6
Coal Mining	3	4	4	4	4	4
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	9	9	10	11	11	12
Exploration and Other Mining Support Services	9	9	10	11	11	12
Manufacturing						
Manufacturing, nfd	11	12	13	13	14	15
Food Product Manufacturing	169	176	196	207	218	228
Beverage and Tobacco Product Manufacturing	1	1	2	2	2	2
Textile, Leather, Clothing and Footwear Manufacturing	8	8	9	10	11	11
Wood Product Manufacturing	16	17	19	21	23	25
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	5	5	5	6	7	7
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	2	2	2	2	2	3
Polymer Product and Rubber Product Manufacturing	1	1	2	2	2	2
Non-Metallic Mineral Product Manufacturing	23	24	26	29	32	35
Primary Metal and Metal Product Manufacturing	7	8	8	9	10	11
Fabricated Metal Product Manufacturing	10	10	12	13	14	15



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	6	7	7	8	8	9
Machinery and Equipment Manufacturing	10	11	12	13	14	15
Furniture and Other Manufacturing	10	11	12	13	14	15
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	7	7	7	8	9	10
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	2	2	2	3	3	3
Waste Collection, Treatment and Disposal Services	3	3	3	4	4	4
Construction						
Construction, nfd	8	8	9	9	10	10
Building Construction	67	69	75	83	92	102
Heavy and Civil Engineering Construction	10	10	11	12	12	13
Construction Services	160	166	185	208	234	261
Wholesale trade						
Wholesale Trade, nfd	3	3	3	4	4	4
Basic Material Wholesaling	23	24	27	31	35	40
Machinery and Equipment Wholesaling	3	3	3	4	4	4
Motor Vehicle and Motor Vehicle Parts Wholesaling	0	0	0	0	1	1
Grocery, Liquor and Tobacco Product Wholesaling	29	30	34	38	43	47
Other Goods Wholesaling	4	4	5	6	6	7
Commission-Based Wholesaling	0	0	0	0	0	0
Retail trade						
Retail Trade, nfd	2	2	2	2	2	2
Motor Vehicle and Motor Vehicle Parts Retailing	13	13	15	17	19	21
Fuel Retailing	2	2	3	3	3	3
Food Retailing	10	10	11	11	12	13
Other Store-Based Retailing	13	13	14	15	16	17
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Accommodation	148	153	166	179	194	209
Food and Beverage Services	155	160	173	189	207	224
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	44	45	51	55	61	66
Rail Transport	3	3	3	3	4	4
Water Transport	1	1	1	1	1	2
Air and Space Transport	0	0	0	0	0	0
Other Transport	4	5	5	5	6	6
Postal and Courier Pick-up and Delivery Services	17	18	20	22	24	26
Transport Support Services	3	3	3	4	4	4
Warehousing and Storage Services	3	3	3	3	4	4
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	7	7	8	10	12	14
Motion Picture and Sound Recording Activities	1	1	1	1	1	1
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	3	3	3	4	5	5
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	1	1
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	0	0	0	0	0	0
Insurance and Superannuation Funds	0	0	0	0	0	0
Auxiliary Finance and Insurance Services	0	0	0	0	0	0
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	0	0	0	0	0	0
Property Operators and Real Estate Services	0	0	0	0	0	0
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	0	0	0	0	0	0
Computer System Design and Related Services	0	0	0	0	0	0
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	0	0	0	0	0	0
Building Cleaning, Pest Control and Other Support Services	0	0	0	0	0	0
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	0	0	0	0	0	0
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	1	1	1	1	1	2
Education and training						
Education and Training, nfd	2	2	2	2	2	3
Preschool and School Education	75	77	84	92	101	111
Tertiary Education	2	2	2	3	3	3
Adult, Community and Other Education	5	5	6	6	7	8
Health care and social assistance						
Health Care and Social Assistance, nfd	1	1	1	1	1	2
Hospitals	35	36	39	43	48	53
Medical and Other Health Care Services	48	50	54	62	71	80
Residential Care Services	34	36	38	45	53	62
Social Assistance Services	36	37	40	47	55	64
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	4	4	5	5	6	7
Creative and Performing Arts Activities	4	4	4	5	5	5
Sport and Recreation Activities	13	13	15	16	17	18
Gambling Activities	2	2	2	3	3	3



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	52	54	60	69	78	89
Personal Care and Other Services	34	35	38	42	48	53
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	4	4	4	5	5	5
Total	1,597	1,654	1,818	1,996	2,193	2,389

Source: Economic Associates estimates



Table D-7 Projected Employment by two digit ANZSIC, The Caves / Rockyview, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	34	34	34	35	35	35
Aquaculture	0	0	0	0	0	0
Forestry and Logging	2	2	2	2	2	2
Fishing, Hunting and Trapping	1	1	1	1	1	1
Agriculture, Forestry and Fishing Support Services	2	2	2	2	2	2
Mining						
Mining, nfd	1	1	1	1	1	1
Coal Mining	1	1	1	1	1	1
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	2	2	2	2	2	2
Exploration and Other Mining Support Services	2	2	2	2	2	3
Manufacturing						
Manufacturing, nfd	2	2	3	3	3	3
Food Product Manufacturing	11	11	12	12	12	13
Beverage and Tobacco Product Manufacturing	0	0	0	0	0	0
Textile, Leather, Clothing and Footwear Manufacturing	1	1	1	1	1	1
Wood Product Manufacturing	1	1	1	1	1	1
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	0	0	0	0	0	0
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	0	0	0	0	0	0
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	0
Non-Metallic Mineral Product Manufacturing	1	2	2	2	2	2
Primary Metal and Metal Product Manufacturing	0	0	1	1	1	1
Fabricated Metal Product Manufacturing	1	1	1	1	1	1



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	0	0	0	0	0	0
Machinery and Equipment Manufacturing	1	1	1	1	1	1
Furniture and Other Manufacturing	1	1	1	1	1	1
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	1	1	2	2	2	2
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	0	0	0	1	1	1
Waste Collection, Treatment and Disposal Services	1	1	1	1	1	1
Construction						
Construction, nfd	2	2	2	2	2	2
Building Construction	14	15	16	17	19	21
Heavy and Civil Engineering Construction	2	2	2	2	3	3
Construction Services	11	11	11	12	12	13
Wholesale trade						
Wholesale Trade, nfd	1	1	1	1	1	1
Basic Material Wholesaling	2	2	2	2	2	2
Machinery and Equipment Wholesaling	0	0	0	0	0	0
Motor Vehicle and Motor Vehicle Parts Wholesaling	0	0	0	0	0	0
Grocery, Liquor and Tobacco Product Wholesaling	2	2	2	2	2	2
Other Goods Wholesaling	0	0	0	0	0	0
Commission-Based Wholesaling	0	0	0	0	0	0
Retail trade						
Retail Trade, nfd	0	0	0	0	1	1
Motor Vehicle and Motor Vehicle Parts Retailing	1	1	1	1	1	1
Fuel Retailing	0	1	1	1	1	1
Food Retailing	2	2	2	3	3	3
Other Store-Based Retailing	3	3	3	4	4	4
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Accommodation	31	32	35	38	41	44
Food and Beverage Services	33	34	36	40	43	47
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	3	3	3	3	3	3
Rail Transport	0	0	0	0	0	0
Water Transport	0	0	0	0	0	0
Air and Space Transport	0	0	0	0	0	0
Other Transport	1	1	1	1	1	1
Postal and Courier Pick-up and Delivery Services	1	1	1	1	1	1
Transport Support Services	0	0	0	0	0	0
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	0	0	0	1	1	1
Motion Picture and Sound Recording Activities	0	0	0	0	0	0
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	1	1	1	1	1	1
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	0	0	0	0	0	0
Insurance and Superannuation Funds	0	0	0	0	0	0
Auxiliary Finance and Insurance Services	0	0	0	0	0	0
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	0	0	0	0	0	0
Property Operators and Real Estate Services	0	0	0	0	0	0
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	0	0	0	0	0	0
Computer System Design and Related Services	0	0	0	0	0	0
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	0	0	0	0	0	0
Building Cleaning, Pest Control and Other Support Services	0	0	0	0	0	0
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	0	0	0	0	0	0
Defence	3	3	3	4	4	4
Public Order, Safety and Regulatory Services	181	187	202	224	249	274
Education and training						
Education and Training, nfd	0	1	1	1	1	1
Preschool and School Education	19	19	21	23	25	28
Tertiary Education	1	1	1	1	1	1
Adult, Community and Other Education	1	1	1	2	2	2
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	0	0	0	0	0	0
Medical and Other Health Care Services	0	0	0	0	0	0
Residential Care Services	0	0	0	0	0	0
Social Assistance Services	0	0	0	0	0	0
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	1	1	1	1	1	1
Creative and Performing Arts Activities	1	1	1	1	1	1
Sport and Recreation Activities	3	3	3	3	3	4
Gambling Activities	0	0	0	1	1	1



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	3	3	4	4	4	4
Personal Care and Other Services	7	7	8	9	10	11
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	1	1	1	1	1	1
Total	399	410	439	478	521	564

Source: Economic Associates estimates



Table D-8 Projected Employment by two digit ANZSIC, Yeppoon & Surrounds, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	2	2	2	2	3	3
Agriculture	255	262	281	292	304	315
Aquaculture	0	0	0	0	0	0
Forestry and Logging	14	14	15	16	16	16
Fishing, Hunting and Trapping	10	11	11	12	12	13
Agriculture, Forestry and Fishing Support Services	18	18	19	20	21	21
Mining						
Mining, nfd	7	7	8	8	9	9
Coal Mining	5	6	6	6	7	7
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	14	15	16	17	18	19
Exploration and Other Mining Support Services	14	15	16	17	18	19
Manufacturing						
Manufacturing, nfd	18	19	20	21	22	24
Food Product Manufacturing	232	240	268	283	299	313
Beverage and Tobacco Product Manufacturing	2	2	2	2	3	3
Textile, Leather, Clothing and Footwear Manufacturing	11	11	12	13	14	16
Wood Product Manufacturing	22	23	26	29	32	35
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	6	6	7	8	9	10
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	2	3	3	3	3	4
Polymer Product and Rubber Product Manufacturing	2	2	2	2	3	3
Non-Metallic Mineral Product Manufacturing	31	32	36	40	44	48
Primary Metal and Metal Product Manufacturing	10	10	12	13	14	15
Fabricated Metal Product Manufacturing	14	14	16	17	19	21



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	9	9	10	11	12	12
Machinery and Equipment Manufacturing	14	15	17	18	19	20
Furniture and Other Manufacturing	14	15	17	18	20	21
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	10	11	12	13	14	16
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	3	3	4	4	5	5
Waste Collection, Treatment and Disposal Services	5	5	5	6	7	7
Construction						
Construction, nfd	13	13	14	15	16	16
Building Construction	107	110	119	132	147	161
Heavy and Civil Engineering Construction	16	16	18	19	20	21
Construction Services	219	227	253	285	320	357
Wholesale trade						
Wholesale Trade, nfd	5	5	5	6	6	7
Basic Material Wholesaling	32	33	37	42	48	54
Machinery and Equipment Wholesaling	4	4	4	5	5	6
Motor Vehicle and Motor Vehicle Parts Wholesaling	0	0	0	1	1	2
Grocery, Liquor and Tobacco Product Wholesaling	40	41	46	52	58	65
Other Goods Wholesaling	6	6	6	8	9	10
Commission-Based Wholesaling	0	0	0	0	0	0
Retail trade						
Retail Trade, nfd	45	47	50	55	60	65
Motor Vehicle and Motor Vehicle Parts Retailing	17	18	20	23	26	28
Fuel Retailing	66	68	74	79	85	90
Food Retailing	275	283	305	332	362	392
Other Store-Based Retailing	363	374	404	437	473	508
Non-Store Retailing and Retail Commission Based Buying and/or Selling	3	3	3	4	4	4
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Accommodation	236	243	263	285	309	332
Food and Beverage Services	247	254	275	301	329	356
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	60	62	69	76	83	90
Rail Transport	4	4	4	5	5	5
Water Transport	2	2	2	2	2	2
Air and Space Transport	0	0	0	0	0	0
Other Transport	7	7	8	9	9	10
Postal and Courier Pick-up and Delivery Services	24	25	27	30	33	36
Transport Support Services	4	4	4	5	5	6
Warehousing and Storage Services	4	4	4	5	5	6
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	9	10	11	13	16	19
Motion Picture and Sound Recording Activities	2	2	2	2	2	2
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	5	5	5	6	7	8
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	1	1	2
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	68	70	76	89	103	118
Insurance and Superannuation Funds	11	11	12	15	17	20
Auxiliary Finance and Insurance Services	19	19	21	25	31	36
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	46	48	52	57	64	70
Property Operators and Real Estate Services	156	161	174	193	215	237
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	244	251	272	310	352	395
Computer System Design and Related Services	14	15	16	18	20	22
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	58	60	65	72	80	88
Building Cleaning, Pest Control and Other Support Services	87	89	97	111	127	144
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	370	382	413	452	494	536
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	16	17	18	20	23	25
Education and training						
Education and Training, nfd	16	17	18	20	21	22
Preschool and School Education	632	652	705	776	855	934
Tertiary Education	17	18	19	22	25	29
Adult, Community and Other Education	42	44	47	52	58	64
Health care and social assistance						
Health Care and Social Assistance, nfd	3	3	3	3	3	4
Hospitals	81	83	90	100	111	122
Medical and Other Health Care Services	112	116	125	144	164	186
Residential Care Services	80	83	89	106	124	143
Social Assistance Services	84	87	94	110	128	148
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	7	7	7	8	10	11
Creative and Performing Arts Activities	6	6	7	7	8	8
Sport and Recreation Activities	21	21	23	25	26	28
Gambling Activities	3	3	4	4	4	5



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	71	74	82	94	108	122
Personal Care and Other Services	54	55	60	67	76	85
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	6	6	7	7	8	8
Total	4,884	5,040	5,478	6,033	6,645	7,263

Source: Economic Associates estimates



Mount Morgan Planning Area

Table D-9 Projected Employment by two digit ANZSIC, Mount Morgan Township, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	20	20	20	20	20	20
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	0	0	0	0	0
Fishing, Hunting and Trapping	0	0	0	0	0	0
Agriculture, Forestry and Fishing Support Services	0	0	0	0	0	0
Mining						
Mining, nfd	0	0	0	0	0	0
Coal Mining	16	16	17	18	18	18
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	0	0	0	0	0	0
Exploration and Other Mining Support Services	3	3	3	4	4	4
Manufacturing						
Manufacturing, nfd	3	3	3	4	4	4
Food Product Manufacturing	0	0	0	0	0	0
Beverage and Tobacco Product Manufacturing	0	0	0	0	0	0
Textile, Leather, Clothing and Footwear Manufacturing	0	0	0	0	0	0
Wood Product Manufacturing	0	0	0	0	0	0
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	0	0	0	0	0	0
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	0	0	0	0	0	0
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	0
Non-Metallic Mineral Product Manufacturing	0	0	0	0	0	0
Primary Metal and Metal Product Manufacturing	4	4	5	6	6	7



	2010	2011	2016	2021	2026	2031
Fabricated Metal Product Manufacturing	0	0	0	0	0	0
Transport Equipment Manufacturing	0	0	0	0	0	0
Machinery and Equipment Manufacturing	0	0	0	0	0	0
Furniture and Other Manufacturing	0	0	0	0	0	0
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	0	0	0	0	0	0
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	0	0	0	0	0	0
Waste Collection, Treatment and Disposal Services	0	0	0	0	0	0
Construction						
Construction, nfd						
Building Construction	4	4	5	5	5	5
Heavy and Civil Engineering Construction	0	0	0	0	0	0
Construction Services	6	7	8	9	10	11
Wholesale trade						
Wholesale Trade, nfd	0	0	0	0	0	0
Basic Material Wholesaling	0	0	0	0	0	0
Machinery and Equipment Wholesaling	0	0	0	0	0	0
Motor Vehicle and Motor Vehicle Parts Wholesaling	0	0	0	0	0	0
Grocery, Liquor and Tobacco Product Wholesaling	4	4	5	6	6	7
Other Goods Wholesaling	0	0	0	0	0	0
Commission-Based Wholesaling	0	0	0	0	0	0
Retail trade						
Retail Trade, nfd	7	7	7	8	8	8
Motor Vehicle and Motor Vehicle Parts Retailing	0	0	0	0	0	0
Fuel Retailing	4	5	5	5	5	6
Food Retailing	25	26	28	29	31	32
Other Store-Based Retailing	18	18	19	20	21	23
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						



	2010	2011	2016	2021	2026	2031
Accommodation and Food Services, nfd	0	0	0	0	0	0
Accommodation	8	9	9	10	10	11
Food and Beverage Services	23	24	26	27	28	30
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	3	3	3	4	4	4
Road Transport	6	6	7	8	8	9
Rail Transport	0	0	0	0	0	0
Water Transport	0	0	0	0	0	0
Air and Space Transport	0	0	0	0	0	0
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	3	3	3	4	4	5
Transport Support Services	0	0	0	0	0	0
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	0	0	0	0	0	0
Motion Picture and Sound Recording Activities	0	0	0	0	0	0
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	0	0	0	0	0	0
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	0	0	0	0	0	0
Insurance and Superannuation Funds	0	0	0	0	0	0
Auxiliary Finance and Insurance Services	0	0	0	0	0	0
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	0	0	0	0	0	0
Property Operators and Real Estate Services	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Professional, scientific and technical services						
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	8	8	9	9	10	10
Computer System Design and Related Services	0	0	0	0	0	0
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	9	9	10	10	11	11
Building Cleaning, Pest Control and Other Support Services	3	3	4	4	4	4
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	40	41	43	45	48	50
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	0	0	0	0	0	0
Education and training						
Education and Training, nfd	0	0	0	0	0	0
Preschool and School Education	74	75	80	84	89	93
Tertiary Education	3	3	4	4	4	4
Adult, Community and Other Education	3	3	4	4	4	4
Health care and social assistance						
Health Care and Social Assistance, nfd	3	3	4	4	4	4
Hospitals	43	44	47	49	52	55
Medical and Other Health Care Services	17	17	19	19	21	22
Residential Care Services	31	31	33	35	37	39
Social Assistance Services	17	17	19	19	21	22
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	0	0	0	0	0	0
Creative and Performing Arts Activities	0	0	0	0	0	0
Sport and Recreation Activities	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Gambling Activities	0	0	0	0	0	0
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	4	4	5	6	6	7
Personal Care and Other Services	3	3	3	4	4	4
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	0	0	0	0	0	0
Total	417	428	457	482	508	534

Source: Economic Associates estimates



Table D-10 Projected Employment by two digit ANZSIC, Mount Morgan Rural, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	1	2	4	5	6	8
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	0	0	0	0	0
Fishing, Hunting and Trapping	0	0	0	0	0	0
Agriculture, Forestry and Fishing Support Services	0	0	0	0	0	0
Mining						
Mining, nfd	0	0	0	0	0	0
Coal Mining	1	1	1	1	1	1
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	0	0	0	0	0	0
Exploration and Other Mining Support Services	0	0	0	0	0	0
Manufacturing						
Manufacturing, nfd	0	0	0	0	0	0
Food Product Manufacturing	0	0	0	0	0	0
Beverage and Tobacco Product Manufacturing	0	0	0	0	0	0
Textile, Leather, Clothing and Footwear Manufacturing	0	0	0	0	0	0
Wood Product Manufacturing	0	0	0	0	0	0
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	0	0	0	0	0	0
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	0	0	0	0	0	0
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	0
Non-Metallic Mineral Product Manufacturing	0	0	0	0	0	0
Primary Metal and Metal Product Manufacturing	3	3	3	3	3	3
Fabricated Metal Product Manufacturing	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	0	0	0	0	0	0
Machinery and Equipment Manufacturing	0	0	0	0	0	0
Furniture and Other Manufacturing	0	0	0	0	0	0
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	0	0	0	0	0	0
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	0	0	0	0	0	0
Waste Collection, Treatment and Disposal Services	0	0	0	0	0	0
Construction						
Construction, nfd	0	0	0	0	0	0
Building Construction	0	0	0	0	0	0
Heavy and Civil Engineering Construction	0	0	0	0	0	0
Construction Services	4	4	4	4	4	5
Wholesale trade						
Wholesale Trade, nfd	0	0	0	0	0	0
Basic Material Wholesaling	0	0	0	0	0	0
Machinery and Equipment Wholesaling	0	0	0	0	0	0
Motor Vehicle and Motor Vehicle Parts Wholesaling	0	0	0	0	0	0
Grocery, Liquor and Tobacco Product Wholesaling	3	3	3	3	3	3
Other Goods Wholesaling	0	0	0	0	0	0
Commission-Based Wholesaling	0	0	0	0	0	0
Retail trade						
Retail Trade, nfd	0	0	0	0	0	0
Motor Vehicle and Motor Vehicle Parts Retailing	0	0	0	0	0	0
Fuel Retailing	0	0	0	0	0	0
Food Retailing	1	1	1	1	1	1
Other Store-Based Retailing	0	0	1	1	1	1
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Accommodation	1	1	1	1	1	1
Food and Beverage Services	2	2	2	2	2	2
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	4	4	4	4	4	4
Rail Transport	0	0	0	0	0	0
Water Transport	0	0	0	0	0	0
Air and Space Transport	0	0	0	0	0	0
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	2	2	2	2	2	2
Transport Support Services	0	0	0	0	0	0
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	0	0	0	0	0	0
Motion Picture and Sound Recording Activities	0	0	0	0	0	0
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	0	0	0	0	0	0
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	0	0	0	0	0	0
Insurance and Superannuation Funds	0	0	0	0	0	0
Auxiliary Finance and Insurance Services	0	0	0	0	0	0
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	0	0	0	0	0	0
Property Operators and Real Estate Services	0	0	0	0	0	0
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	0	0	0	0	0	0
Computer System Design and Related Services	0	0	0	0	0	0
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	0	0	0	0	0	0
Building Cleaning, Pest Control and Other Support Services	0	0	0	0	0	0
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	0	0	0	1	1	1
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	0	0	0	0	0	0
Education and training						
Education and Training, nfd	0	0	0	0	0	0
Preschool and School Education	0	0	1	1	2	2
Tertiary Education	0	0	0	0	0	0
Adult, Community and Other Education	0	0	0	0	0	0
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	0	0	0	1	1	1
Medical and Other Health Care Services	0	0	0	0	0	1
Residential Care Services	0	0	0	1	1	1
Social Assistance Services	0	0	0	0	0	1
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	0	0	0	0	0	0
Creative and Performing Arts Activities	0	0	0	0	0	0
Sport and Recreation Activities	0	0	0	0	0	0
Gambling Activities	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	3	3	3	3	3	3
Personal Care and Other Services	0	0	0	0	0	0
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	0	0	0	0	0	0
Total	25	27	32	36	40	44

Source: Economic Associates estimates



Rockhampton Planning Area

Table D-11 Projected Employment by two digit ANZSIC, Airport, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	0	0	0	0	0	0
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	0	0	0	0	0
Fishing, Hunting and Trapping	0	0	0	0	0	0
Agriculture, Forestry and Fishing Support Services	0	0	0	0	0	0
Mining						
Mining, nfd	0	0	0	0	0	0
Coal Mining	0	0	0	0	0	0
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	0	0	0	0	0	0
Exploration and Other Mining Support Services	0	0	0	0	0	0
Manufacturing						
Manufacturing, nfd	0	0	0	0	0	0
Food Product Manufacturing	18	18	19	19	20	21
Beverage and Tobacco Product Manufacturing	1	1	1	1	1	1
Textile, Leather, Clothing and Footwear Manufacturing	1	1	1	1	1	1
Wood Product Manufacturing	2	2	2	2	2	2
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	1	1	1	1	1	1
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	1	1	1	1	1	1
Polymer Product and Rubber Product Manufacturing	1	1	1	1	1	1
Non-Metallic Mineral Product Manufacturing	9	9	9	10	10	10
Primary Metal and Metal Product Manufacturing	5	5	5	5	5	5



	2010	2011	2016	2021	2026	2031
Fabricated Metal Product Manufacturing	6	6	6	6	6	7
Transport Equipment Manufacturing	8	8	8	8	8	8
Machinery and Equipment Manufacturing	5	6	6	6	6	6
Furniture and Other Manufacturing	2	2	2	2	2	2
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	0	0	0	0	0	0
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	0	0	0	0	0	0
Waste Collection, Treatment and Disposal Services	0	0	0	0	0	0
Construction						
Construction, nfd	0	0	0	0	0	0
Building Construction	0	0	0	0	0	0
Heavy and Civil Engineering Construction	0	0	0	0	0	0
Construction Services	23	23	23	23	23	23
Wholesale trade						
Wholesale Trade, nfd	0	0	0	0	0	0
Basic Material Wholesaling	5	5	5	5	5	5
Machinery and Equipment Wholesaling	12	12	12	12	12	12
Motor Vehicle and Motor Vehicle Parts Wholesaling	3	3	3	3	3	3
Grocery, Liquor and Tobacco Product Wholesaling	4	4	4	4	4	4
Other Goods Wholesaling	3	3	3	3	3	3
Commission-Based Wholesaling	0	0	0	0	0	0
Retail trade						
Retail Trade, nfd	1	1	1	1	1	1
Motor Vehicle and Motor Vehicle Parts Retailing	10	10	10	10	10	11
Fuel Retailing	1	1	1	1	1	1
Food Retailing	5	5	5	5	5	5
Other Store-Based Retailing	10	10	10	10	10	10
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						



	2010	2011	2016	2021	2026	2031
Accommodation and Food Services, nfd	0	0	0	0	0	0
Accommodation	0	0	0	0	0	0
Food and Beverage Services	0	0	0	0	0	0
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	16	16	17	17	17	17
Rail Transport	21	21	22	22	23	23
Water Transport	0	0	0	0	0	0
Air and Space Transport	0	0	0	0	0	0
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	4	4	4	4	4	4
Transport Support Services	3	3	3	3	3	3
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	3	3	4	4	4	4
Motion Picture and Sound Recording Activities	0	0	0	0	0	0
Broadcasting (except Internet)	0	0	0	0	0	0
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	0	0	0	0	0	0
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	3	3	3	3	3	3
Insurance and Superannuation Funds	1	1	1	1	1	1
Auxiliary Finance and Insurance Services	1	1	1	1	1	1
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	1	1	1	1	1	1
Property Operators and Real Estate Services	2	2	2	2	2	2



	2010	2011	2016	2021	2026	2031
Professional, scientific and technical services						
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	6	6	6	6	6	6
Computer System Design and Related Services	0	0	1	1	1	1
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	2	2	2	2	2	2
Building Cleaning, Pest Control and Other Support Services	2	2	2	2	2	2
Public administration and safety						
Public Administration and Safety, nfd	1	1	1	1	1	2
Public Administration	9	9	9	9	10	10
Defence	32	33	35	36	37	38
Public Order, Safety and Regulatory Services	251	256	268	273	277	283
Education and training						
Education and Training, nfd	1	1	1	1	1	1
Preschool and School Education	23	24	25	25	26	26
Tertiary Education	17	17	18	18	19	20
Adult, Community and Other Education	3	3	3	3	3	3
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	0	0	0	0	0	0
Medical and Other Health Care Services	0	0	0	0	0	0
Residential Care Services	0	0	0	0	0	0
Social Assistance Services	0	0	0	0	0	0
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	0	0	0	0	0	0
Creative and Performing Arts Activities	0	0	0	0	0	0
Sport and Recreation Activities	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Gambling Activities	0	0	0	0	0	0
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	17	17	18	18	18	18
Personal Care and Other Services	0	0	0	0	0	0
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	0	0	0	0	0	0
Total	554	562	584	593	603	615

Source: Economic Associates estimates



Table D-12 Projected Employment by two digit ANZSIC, CBD, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	26	27	28	29	29	30
Aquaculture	0	0	0	0	0	0
Forestry and Logging	2	2	2	2	2	2
Fishing, Hunting and Trapping	2	2	2	2	2	2
Agriculture, Forestry and Fishing Support Services	3	3	3	3	3	3
Mining						
Mining, nfd	9	9	10	10	10	10
Coal Mining	8	9	9	10	10	11
Oil and Gas Extraction	1	1	1	1	1	1
Metal Ore Mining	1	1	1	1	1	1
Non-Metallic Mineral Mining and Quarrying	3	3	3	3	3	3
Exploration and Other Mining Support Services	23	24	26	28	29	31
Manufacturing						
Manufacturing, nfd	52	53	56	57	57	59
Food Product Manufacturing	83	83	84	84	85	86
Beverage and Tobacco Product Manufacturing	3	3	3	3	3	3
Textile, Leather, Clothing and Footwear Manufacturing	5	5	5	5	5	5
Wood Product Manufacturing	9	9	9	9	9	9
Pulp, Paper and Converted Paper Product Manufacturing	1	1	1	1	1	1
Printing (including Reproduction of Recorded Media)	4	4	4	4	4	4
Petroleum and Coal Product Manufacturing	1	1	1	1	1	1
Basic Chemical and Chemical Product Manufacturing	3	3	3	3	3	3
Polymer Product and Rubber Product Manufacturing	3	3	3	3	3	3
Non-Metallic Mineral Product Manufacturing	41	42	42	42	42	42
Primary Metal and Metal Product Manufacturing	21	21	21	21	21	21
Fabricated Metal Product Manufacturing	26	26	26	27	27	27



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	36	37	37	37	37	37
Machinery and Equipment Manufacturing	25	25	25	26	26	26
Furniture and Other Manufacturing	10	10	10	10	11	11
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	209	214	223	230	237	245
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	34	34	36	37	37	38
Waste Collection, Treatment and Disposal Services	9	10	10	10	10	10
Construction						
Construction, nfd	13	13	14	14	14	14
Building Construction	179	183	191	192	193	195
Heavy and Civil Engineering Construction	49	49	52	53	54	55
Construction Services	104	104	104	104	104	104
Wholesale trade						
Wholesale Trade, nfd	11	12	12	13	13	14
Basic Material Wholesaling	23	23	23	23	23	23
Machinery and Equipment Wholesaling	53	53	54	54	54	54
Motor Vehicle and Motor Vehicle Parts Wholesaling	14	14	14	14	14	14
Grocery, Liquor and Tobacco Product Wholesaling	18	18	18	18	19	19
Other Goods Wholesaling	13	13	14	14	14	14
Commission-Based Wholesaling	7	7	8	8	8	8
Retail trade						
Retail Trade, nfd	53	54	57	58	59	60
Motor Vehicle and Motor Vehicle Parts Retailing	45	45	45	46	46	46
Fuel Retailing	43	44	46	47	48	49
Food Retailing	352	360	378	385	392	400
Other Store-Based Retailing	659	674	708	727	748	771
Non-Store Retailing and Retail Commission Based Buying and/or Selling	3	3	3	3	4	4
Accommodation and food services						
Accommodation and Food Services, nfd	1	1	1	1	1	1



	2010	2011	2016	2021	2026	2031
Accommodation	147	150	157	160	164	167
Food and Beverage Services	482	491	514	524	535	547
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	3	3	3	3	3	4
Road Transport	74	74	74	74	74	74
Rail Transport	97	98	98	98	99	99
Water Transport	1	1	1	1	1	1
Air and Space Transport	9	9	10	10	10	11
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	18	18	18	18	18	18
Transport Support Services	12	12	12	12	12	12
Warehousing and Storage Services	1	1	1	1	1	1
Information media and telecommunications						
Information Media and Telecommunications, nfd	1	1	1	1	1	1
Publishing (except Internet and Music Publishing)	16	16	16	16	16	16
Motion Picture and Sound Recording Activities	8	8	9	9	9	10
Broadcasting (except Internet)	34	34	36	37	39	40
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	32	32	34	34	34	35
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	3	3	4	3	3	3
Financial and insurance services						
Financial and Insurance Services, nfd	3	3	3	3	4	4
Finance	344	351	369	378	386	396
Insurance and Superannuation Funds	95	97	102	104	107	111
Auxiliary Finance and Insurance Services	159	163	171	175	179	183
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	139	142	149	153	158	162
Property Operators and Real Estate Services	241	246	259	262	264	268
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	782	799	841	856	872	890
Computer System Design and Related Services	64	65	69	71	73	75
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	265	271	285	294	302	312
Building Cleaning, Pest Control and Other Support Services	231	236	248	250	253	255
Public administration and safety						
Public Administration and Safety, nfd	1	2	2	2	2	2
Public Administration	1,168	1,194	1,255	1,293	1,331	1,375
Defence	37	37	39	41	42	43
Public Order, Safety and Regulatory Services	285	291	304	310	315	321
Education and training						
Education and Training, nfd	2	2	2	2	2	2
Preschool and School Education	47	48	50	51	52	53
Tertiary Education	33	34	36	37	38	39
Adult, Community and Other Education	5	5	5	5	6	6
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	2	2	2	2	3	3
Medical and Other Health Care Services	1	1	1	1	1	2
Residential Care Services	1	1	1	1	1	1
Social Assistance Services	1	1	1	1	1	1
Arts and recreation services						
Arts and Recreation Services, nfd	4	4	4	4	4	5
Heritage Activities	14	14	15	15	15	15
Creative and Performing Arts Activities	4	4	4	4	4	4
Sport and Recreation Activities	49	50	53	54	55	57
Gambling Activities	6	6	7	7	7	7



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	79	79	79	80	80	80
Personal Care and Other Services	199	203	213	218	223	229
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	5	6	6	6	6	6
Total	7,504	7,645	7,990	8,155	8,323	8,516

Source: Economic Associates estimates



Table D-13 Projected Employment by two digit ANZSIC, North Rockhampton Balance, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	1	1	2	2	2	2
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	0	0	0	0	0
Fishing, Hunting and Trapping	0	0	0	0	0	0
Agriculture, Forestry and Fishing Support Services	0	0	0	0	0	0
Mining						
Mining, nfd	0	1	1	1	1	1
Coal Mining	0	0	0	1	1	1
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	0	0	0	0	0	0
Exploration and Other Mining Support Services	1	1	1	2	2	2
Manufacturing						
Manufacturing, nfd	3	3	3	3	3	3
Food Product Manufacturing	0	0	0	0	0	0
Beverage and Tobacco Product Manufacturing	0	0	0	0	0	0
Textile, Leather, Clothing and Footwear Manufacturing	0	0	0	0	0	0
Wood Product Manufacturing	0	0	0	0	0	0
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	0	0	0	0	0	0
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	0	0	0	0	0	0
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	0
Non-Metallic Mineral Product Manufacturing	0	0	0	0	0	0
Primary Metal and Metal Product Manufacturing	0	0	0	0	0	0
Fabricated Metal Product Manufacturing	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	0	0	0	0	0	0
Machinery and Equipment Manufacturing	0	0	0	0	0	0
Furniture and Other Manufacturing	0	0	0	0	0	0
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	11	12	12	13	13	13
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	2	2	2	2	2	2
Waste Collection, Treatment and Disposal Services	1	1	1	1	1	1
Construction						
Construction, nfd	1	1	1	1	1	1
Building Construction	10	10	10	11	11	11
Heavy and Civil Engineering Construction	3	3	3	3	3	3
Construction Services	0	0	0	0	0	0
Wholesale trade						
Wholesale Trade, nfd	1	1	1	1	1	1
Basic Material Wholesaling	0	0	0	0	0	0
Machinery and Equipment Wholesaling	0	0	0	0	0	0
Motor Vehicle and Motor Vehicle Parts Wholesaling	0	0	0	0	0	0
Grocery, Liquor and Tobacco Product Wholesaling	0	0	0	0	0	0
Other Goods Wholesaling	0	0	0	0	0	0
Commission-Based Wholesaling	0	0	0	0	0	0
Retail trade						
Retail Trade, nfd	0	0	0	0	0	0
Motor Vehicle and Motor Vehicle Parts Retailing	0	0	0	0	0	0
Fuel Retailing	0	0	0	0	0	0
Food Retailing	1	1	1	1	1	1
Other Store-Based Retailing	2	2	2	2	2	2
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Accommodation	8	8	9	9	9	9
Food and Beverage Services	26	27	28	29	29	30
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	0	0	0	0	0	0
Rail Transport	0	0	0	0	0	0
Water Transport	0	0	0	0	0	0
Air and Space Transport	0	1	1	1	1	1
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	0	0	0	0	0	0
Transport Support Services	0	0	0	0	0	0
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	0	0	0	0	0	0
Motion Picture and Sound Recording Activities	0	0	0	0	1	1
Broadcasting (except Internet)	2	2	2	2	2	2
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	2	2	2	2	2	2
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	0	0	0	0	0	0
Insurance and Superannuation Funds	0	0	0	0	0	0
Auxiliary Finance and Insurance Services	0	0	0	0	0	0
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	0	0	0	0	0	0
Property Operators and Real Estate Services	0	0	0	0	0	0
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	0	0	0	0	0	0
Computer System Design and Related Services	0	0	0	0	0	0
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	0	0	0	0	0	0
Building Cleaning, Pest Control and Other Support Services	0	0	0	0	0	0
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	0	0	0	0	0	0
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	0	0	0	0	0	0
Education and training						
Education and Training, nfd	0	0	0	0	0	0
Preschool and School Education	0	0	0	0	0	0
Tertiary Education	0	0	0	0	0	0
Adult, Community and Other Education	0	0	0	0	0	0
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	0	0	0	0	0	0
Medical and Other Health Care Services	0	0	0	0	0	0
Residential Care Services	0	0	0	0	0	0
Social Assistance Services	0	0	0	0	0	0
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	1	1	1	1	1	1
Creative and Performing Arts Activities	0	0	0	0	0	0
Sport and Recreation Activities	3	3	3	3	3	3
Gambling Activities	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	0	0	0	0	0	0
Personal Care and Other Services	11	11	12	12	12	13
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	0	0	0	0	0	0
Total	94	95	100	102	104	106

Source: Economic Associates estimates



Table D-14 Projected Employment by two digit ANZSIC, North Rockhampton Commercial Corridor, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	9	9	10	10	10	10
Aquaculture	0	0	0	0	0	0
Forestry and Logging	1	1	1	1	1	1
Fishing, Hunting and Trapping	1	1	1	1	1	1
Agriculture, Forestry and Fishing Support Services	1	1	1	1	1	1
Mining						
Mining, nfd	3	3	3	3	3	3
Coal Mining	3	3	3	3	4	4
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	1	1	1	1	1	1
Exploration and Other Mining Support Services	8	8	9	10	10	11
Manufacturing						
Manufacturing, nfd	18	18	19	19	20	20
Food Product Manufacturing	42	42	44	45	46	48
Beverage and Tobacco Product Manufacturing	2	2	2	2	2	2
Textile, Leather, Clothing and Footwear Manufacturing	2	2	2	2	2	2
Wood Product Manufacturing	5	5	5	5	5	5
Pulp, Paper and Converted Paper Product Manufacturing	1	1	1	1	1	1
Printing (including Reproduction of Recorded Media)	2	2	2	2	2	2
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	2	2	2	2	2	2
Polymer Product and Rubber Product Manufacturing	2	2	2	2	2	2
Non-Metallic Mineral Product Manufacturing	21	21	22	22	23	23
Primary Metal and Metal Product Manufacturing	10	11	11	11	12	12



	2010	2011	2016	2021	2026	2031
Fabricated Metal Product Manufacturing	13	13	14	14	15	15
Transport Equipment Manufacturing	18	19	19	19	19	20
Machinery and Equipment Manufacturing	13	13	13	14	14	15
Furniture and Other Manufacturing	5	5	5	5	6	6
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	72	73	76	79	81	84
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	12	12	12	13	13	13
Waste Collection, Treatment and Disposal Services	3	3	3	3	4	4
Construction						
Construction, nfd	4	4	5	5	5	5
Building Construction	61	62	65	66	66	67
Heavy and Civil Engineering Construction	17	17	18	18	18	19
Construction Services	52	53	54	54	54	54
Wholesale trade						
Wholesale Trade, nfd	4	4	4	4	4	5
Basic Material Wholesaling	12	12	12	12	12	11
Machinery and Equipment Wholesaling	27	27	28	28	28	29
Motor Vehicle and Motor Vehicle Parts Wholesaling	7	7	7	8	8	8
Grocery, Liquor and Tobacco Product Wholesaling	9	9	10	10	10	10
Other Goods Wholesaling	7	7	7	7	7	7
Commission-Based Wholesaling	2	3	3	3	3	3
Retail trade						
Retail Trade, nfd	82	84	88	89	91	92
Motor Vehicle and Motor Vehicle Parts Retailing	23	23	24	24	24	25
Fuel Retailing	67	68	71	72	74	75
Food Retailing	544	555	581	591	600	612
Other Store-Based Retailing	1,018	1,038	1,087	1,115	1,144	1,176
Non-Store Retailing and Retail Commission Based Buying and/or Selling	5	5	5	5	5	6
Accommodation and food services						



	2010	2011	2016	2021	2026	2031
Accommodation and Food Services, nfd	0	0	0	0	0	0
Accommodation	50	51	54	55	56	57
Food and Beverage Services	165	168	176	179	183	187
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	1	1	1	1	1	1
Road Transport	37	37	38	39	39	39
Rail Transport	49	50	51	52	52	53
Water Transport	0	0	0	0	0	0
Air and Space Transport	3	3	3	3	4	4
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	9	9	9	9	9	10
Transport Support Services	6	6	6	6	6	6
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	8	8	8	8	8	8
Motion Picture and Sound Recording Activities	3	3	3	3	3	3
Broadcasting (except Internet)	12	12	12	13	13	14
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	11	11	12	12	12	12
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	1	1	1	1	1	1
Financial and insurance services						
Financial and Insurance Services, nfd	0	1	1	1	1	1
Finance	56	57	60	61	62	63
Insurance and Superannuation Funds	15	16	16	17	17	18
Auxiliary Finance and Insurance Services	26	27	28	28	29	29
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	23	23	24	25	25	26
Property Operators and Real Estate Services	39	40	42	42	43	43



	2010	2011	2016	2021	2026	2031
Professional, scientific and technical services						
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	128	130	136	138	140	143
Computer System Design and Related Services	10	11	11	11	12	12
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	43	44	46	47	48	50
Building Cleaning, Pest Control and Other Support Services	38	39	40	40	41	41
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	191	195	203	208	213	219
Defence	3	3	3	3	3	3
Public Order, Safety and Regulatory Services	20	21	22	22	23	23
Education and training						
Education and Training, nfd	10	10	11	11	11	12
Preschool and School Education	224	229	239	243	248	252
Tertiary Education	160	163	171	176	182	189
Adult, Community and Other Education	24	24	26	26	27	27
Health care and social assistance						
Health Care and Social Assistance, nfd	7	8	8	8	8	9
Hospitals	145	147	154	158	163	168
Medical and Other Health Care Services	88	89	93	95	96	98
Residential Care Services	62	64	67	67	68	68
Social Assistance Services	86	87	91	93	94	96
Arts and recreation services						
Arts and Recreation Services, nfd	1	1	1	1	2	2
Heritage Activities	5	5	5	5	5	5
Creative and Performing Arts Activities	1	1	1	1	1	1
Sport and Recreation Activities	17	17	18	18	19	20



	2010	2011	2016	2021	2026	2031
Gambling Activities	2	2	2	2	2	2
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	40	40	41	41	42	42
Personal Care and Other Services	68	69	73	74	76	78
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	2	2	2	2	2	2
Total	4,103	4,178	4,363	4,452	4,543	4,648

Source: Economic Associates estimates



Table D-15 Projected Employment by two digit ANZSIC, North Rockhampton Industrial, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	7	7	7	8	8	8
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	0	1	1	1	1
Fishing, Hunting and Trapping	0	0	1	1	1	1
Agriculture, Forestry and Fishing Support Services	1	1	1	1	1	1
Mining						
Mining, nfd	2	2	3	3	3	3
Coal Mining	2	2	2	3	3	3
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	1	1	1	1	1	1
Exploration and Other Mining Support Services	6	6	7	7	8	8
Manufacturing						
Manufacturing, nfd	14	14	15	15	15	16
Food Product Manufacturing	81	82	85	87	90	94
Beverage and Tobacco Product Manufacturing	3	3	3	4	4	4
Textile, Leather, Clothing and Footwear Manufacturing	5	5	5	5	5	5
Wood Product Manufacturing	9	9	9	9	9	9
Pulp, Paper and Converted Paper Product Manufacturing	1	1	1	1	1	1
Printing (including Reproduction of Recorded Media)	4	4	4	4	4	5
Petroleum and Coal Product Manufacturing	1	1	1	1	1	1
Basic Chemical and Chemical Product Manufacturing	3	3	3	3	3	3
Polymer Product and Rubber Product Manufacturing	3	3	3	3	3	3
Non-Metallic Mineral Product Manufacturing	41	41	43	43	44	45
Primary Metal and Metal Product Manufacturing	20	21	22	22	23	24
Fabricated Metal Product Manufacturing	26	26	27	28	29	30



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	36	36	37	37	38	38
Machinery and Equipment Manufacturing	25	25	26	27	28	29
Furniture and Other Manufacturing	10	10	11	11	11	11
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	55	56	59	61	63	65
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	9	9	10	10	10	10
Waste Collection, Treatment and Disposal Services	2	3	3	3	3	3
Construction						
Construction, nfd	3	3	4	4	4	4
Building Construction	47	48	51	51	51	52
Heavy and Civil Engineering Construction	13	13	14	14	14	14
Construction Services	101	102	105	105	104	104
Wholesale trade						
Wholesale Trade, nfd	3	3	3	3	3	4
Basic Material Wholesaling	23	23	23	23	22	22
Machinery and Equipment Wholesaling	52	53	54	54	55	55
Motor Vehicle and Motor Vehicle Parts Wholesaling	14	14	14	15	15	15
Grocery, Liquor and Tobacco Product Wholesaling	18	18	19	19	19	19
Other Goods Wholesaling	13	13	14	14	14	14
Commission-Based Wholesaling	2	2	2	2	2	2
Retail trade						
Retail Trade, nfd	7	7	7	7	7	7
Motor Vehicle and Motor Vehicle Parts Retailing	44	45	46	46	47	48
Fuel Retailing	5	5	5	5	6	6
Food Retailing	44	44	45	45	45	45
Other Store-Based Retailing	82	82	83	84	85	86
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Accommodation	39	40	42	42	43	44
Food and Beverage Services	128	130	136	139	142	145
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	1	1	1	1	1	1
Road Transport	72	73	74	75	75	76
Rail Transport	95	96	99	100	102	104
Water Transport	0	0	0	0	0	0
Air and Space Transport	2	2	3	3	3	3
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	17	17	18	18	18	19
Transport Support Services	11	11	12	12	12	12
Warehousing and Storage Services	1	1	1	1	1	1
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	15	15	16	16	16	16
Motion Picture and Sound Recording Activities	2	2	2	2	2	3
Broadcasting (except Internet)	9	9	10	10	10	11
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	8	9	9	9	9	9
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	1	1	1	1	1	1
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	21	21	22	22	22	22
Insurance and Superannuation Funds	6	6	6	6	6	6
Auxiliary Finance and Insurance Services	10	10	10	10	10	10
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	9	9	9	9	9	9
Property Operators and Real Estate Services	15	15	15	15	15	15
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	48	48	49	50	50	50
Computer System Design and Related Services	4	4	4	4	4	4
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	16	16	17	17	17	17
Building Cleaning, Pest Control and Other Support Services	14	14	15	15	15	15
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	72	72	74	74	75	76
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	0	0	0	0	0	0
Education and training						
Education and Training, nfd	3	3	3	3	4	4
Preschool and School Education	71	72	76	77	78	80
Tertiary Education	51	52	54	56	58	60
Adult, Community and Other Education	8	8	8	8	8	9
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	0	0	0	0	0	0
Medical and Other Health Care Services	0	0	0	0	0	0
Residential Care Services	0	0	0	0	0	0
Social Assistance Services	0	0	0	0	0	0
Arts and recreation services						
Arts and Recreation Services, nfd	1	1	1	1	1	1
Heritage Activities	4	4	4	4	4	4
Creative and Performing Arts Activities	1	1	1	1	1	1
Sport and Recreation Activities	13	13	14	14	15	15
Gambling Activities	2	2	2	2	2	2



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	77	78	80	81	81	82
Personal Care and Other Services	53	54	56	58	59	60
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	1	1	2	2	2	2
Total	1,741	1,764	1,820	1,847	1,875	1,906

Source: Economic Associates estimates



Table D-16 Projected Employment by two digit ANZSIC, North Rockhampton Residential, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	15	16	16	17	17	17
Aquaculture	0	0	0	0	0	0
Forestry and Logging	1	1	1	1	1	1
Fishing, Hunting and Trapping	1	1	1	1	1	1
Agriculture, Forestry and Fishing Support Services	2	2	2	2	2	2
Mining						
Mining, nfd	5	5	6	6	6	6
Coal Mining	5	5	5	6	6	6
Oil and Gas Extraction	1	1	1	1	1	1
Metal Ore Mining	1	1	1	1	1	1
Non-Metallic Mineral Mining and Quarrying	2	2	2	2	2	2
Exploration and Other Mining Support Services	14	14	15	16	17	18
Manufacturing						
Manufacturing, nfd	30	31	32	33	33	34
Food Product Manufacturing	63	63	64	64	65	66
Beverage and Tobacco Product Manufacturing	3	3	3	3	3	3
Textile, Leather, Clothing and Footwear Manufacturing	4	4	4	4	4	4
Wood Product Manufacturing	7	7	7	7	7	7
Pulp, Paper and Converted Paper Product Manufacturing	1	1	1	1	1	1
Printing (including Reproduction of Recorded Media)	3	3	3	3	3	3
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	2	2	2	2	2	2
Polymer Product and Rubber Product Manufacturing	2	2	2	2	3	3
Non-Metallic Mineral Product Manufacturing	31	32	32	32	32	32
Primary Metal and Metal Product Manufacturing	16	16	16	16	16	16
Fabricated Metal Product Manufacturing	20	20	20	20	20	21



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	28	28	28	28	28	28
Machinery and Equipment Manufacturing	19	19	19	20	20	20
Furniture and Other Manufacturing	8	8	8	8	8	8
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	122	124	130	134	138	143
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	20	20	21	21	22	22
Waste Collection, Treatment and Disposal Services	5	6	6	6	6	6
Construction						
Construction, nfd	7	8	8	8	8	8
Building Construction	104	106	111	112	113	113
Heavy and Civil Engineering Construction	28	29	30	31	31	32
Construction Services	79	79	79	79	79	79
Wholesale trade						
Wholesale Trade, nfd	7	7	7	7	8	8
Basic Material Wholesaling	18	18	18	18	17	17
Machinery and Equipment Wholesaling	40	40	41	41	41	41
Motor Vehicle and Motor Vehicle Parts Wholesaling	11	11	11	11	11	11
Grocery, Liquor and Tobacco Product Wholesaling	14	14	14	14	14	14
Other Goods Wholesaling	10	10	10	10	10	10
Commission-Based Wholesaling	4	4	4	4	4	4
Retail trade						
Retail Trade, nfd	14	14	14	15	15	15
Motor Vehicle and Motor Vehicle Parts Retailing	34	34	35	35	35	35
Fuel Retailing	11	11	12	12	12	12
Food Retailing	90	91	95	96	98	99
Other Store-Based Retailing	168	171	177	181	185	190
Non-Store Retailing and Retail Commission Based Buying and/or Selling	1	1	1	1	1	1
Accommodation and food services						
Accommodation and Food Services, nfd	1	1	1	1	1	1



	2010	2011	2016	2021	2026	2031
Accommodation	86	87	92	93	95	97
Food and Beverage Services	281	286	299	305	311	319
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	2	2	2	2	2	2
Road Transport	56	56	56	56	57	57
Rail Transport	74	74	75	75	75	76
Water Transport	1	1	1	1	1	1
Air and Space Transport	5	5	6	6	6	6
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	13	13	13	14	14	14
Transport Support Services	9	9	9	9	9	9
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	1	1	1	1	1	1
Publishing (except Internet and Music Publishing)	12	12	12	12	12	12
Motion Picture and Sound Recording Activities	5	5	5	5	5	6
Broadcasting (except Internet)	20	20	21	22	22	23
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	18	19	20	20	20	20
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	2	2	2	2	2	2
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	11	11	11	11	11	12
Insurance and Superannuation Funds	3	3	3	3	3	3
Auxiliary Finance and Insurance Services	5	5	5	5	5	5
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	4	4	5	5	5	5
Property Operators and Real Estate Services	8	8	8	8	8	8
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	25	25	26	26	26	26
Computer System Design and Related Services	2	2	2	2	2	2
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	8	9	9	9	9	9
Building Cleaning, Pest Control and Other Support Services	7	7	8	8	8	8
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	37	37	38	39	39	40
Defence	4	5	5	5	5	5
Public Order, Safety and Regulatory Services	35	35	37	38	38	39
Education and training						
Education and Training, nfd	32	32	34	35	36	37
Preschool and School Education	713	727	761	774	787	802
Tertiary Education	509	519	543	561	579	599
Adult, Community and Other Education	76	78	81	83	85	87
Health care and social assistance						
Health Care and Social Assistance, nfd	14	14	15	16	16	17
Hospitals	276	281	294	302	310	320
Medical and Other Health Care Services	167	170	178	181	184	187
Residential Care Services	119	121	127	128	129	130
Social Assistance Services	163	166	174	177	180	183
Arts and recreation services						
Arts and Recreation Services, nfd	2	2	2	3	3	3
Heritage Activities	8	8	9	9	9	9
Creative and Performing Arts Activities	2	2	2	2	2	2
Sport and Recreation Activities	29	29	31	31	32	33
Gambling Activities	4	4	4	4	4	4



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	60	60	60	61	61	61
Personal Care and Other Services	116	118	124	127	130	133
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	3	3	3	3	4	4
Total	4,098	4,165	4,329	4,409	4,491	4,584

Source: Economic Associates estimates



Table D-17 Projected Employment by two digit ANZSIC, Parkhurst-Kawana Industrial Corridor, 2010-2031

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	7	7	8	8	8	8
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	1	1	1	1	1
Fishing, Hunting and Trapping	0	1	1	1	1	1
Agriculture, Forestry and Fishing Support Services	1	1	1	1	1	1
Mining						
Mining, nfd	2	3	3	3	3	3
Coal Mining	2	2	2	3	3	3
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	1	1	1	1	1	1
Exploration and Other Mining Support Services	6	7	7	8	8	9
Manufacturing						
Manufacturing, nfd	14	15	15	15	16	16
Food Product Manufacturing	364	377	412	452	494	541
Beverage and Tobacco Product Manufacturing	15	15	18	19	20	21
Textile, Leather, Clothing and Footwear Manufacturing	21	22	23	23	23	23
Wood Product Manufacturing	40	41	44	44	44	44
Pulp, Paper and Converted Paper Product Manufacturing	5	5	5	5	5	5
Printing (including Reproduction of Recorded Media)	18	19	20	22	24	26
Petroleum and Coal Product Manufacturing	2	3	3	3	3	4
Basic Chemical and Chemical Product Manufacturing	14	14	17	18	19	20
Polymer Product and Rubber Product Manufacturing	14	15	16	16	17	17
Non-Metallic Mineral Product Manufacturing	181	189	211	224	237	252
Primary Metal and Metal Product Manufacturing	91	95	110	120	130	141



	2010	2011	2016	2021	2026	2031
Fabricated Metal Product Manufacturing	114	120	137	151	164	179
Transport Equipment Manufacturing	160	165	178	183	188	194
Machinery and Equipment Manufacturing	110	115	133	147	161	177
Furniture and Other Manufacturing	45	47	51	53	55	57
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	57	59	61	63	65	67
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	9	9	10	10	10	10
Waste Collection, Treatment and Disposal Services	3	3	3	3	3	3
Construction						
Construction, nfd	3	4	4	4	4	4
Building Construction	49	50	52	53	53	53
Heavy and Civil Engineering Construction	13	14	14	14	15	15
Construction Services	453	469	506	503	498	495
Wholesale trade						
Wholesale Trade, nfd	3	3	3	3	4	4
Basic Material Wholesaling	101	104	113	106	99	92
Machinery and Equipment Wholesaling	233	240	259	267	274	282
Motor Vehicle and Motor Vehicle Parts Wholesaling	63	65	70	72	74	76
Grocery, Liquor and Tobacco Product Wholesaling	80	83	89	93	97	101
Other Goods Wholesaling	59	61	66	66	67	68
Commission-Based Wholesaling	2	2	2	2	2	2
Retail trade						
Retail Trade, nfd	6	6	6	6	6	6
Motor Vehicle and Motor Vehicle Parts Retailing	198	204	220	230	239	250
Fuel Retailing	5	5	5	5	5	5
Food Retailing	37	37	38	38	38	39
Other Store-Based Retailing	69	70	71	72	72	73
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						



	2010	2011	2016	2021	2026	2031
Accommodation and Food Services, nfd	0	0	0	0	0	0
Accommodation	40	41	43	44	45	46
Food and Beverage Services	132	135	141	144	147	150
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	1	1	1	1	1	1
Road Transport	322	333	359	365	370	377
Rail Transport	426	440	475	499	524	552
Water Transport	0	0	0	0	0	0
Air and Space Transport	2	3	3	3	3	3
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	77	79	86	90	94	99
Transport Support Services	51	52	57	59	61	64
Warehousing and Storage Services	2	2	3	3	2	2
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	68	71	76	78	80	83
Motion Picture and Sound Recording Activities	2	2	2	2	3	3
Broadcasting (except Internet)	9	9	10	10	11	11
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	9	9	9	9	9	9
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	1	1	1	1	1	1
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	28	28	28	28	29	29
Insurance and Superannuation Funds	8	8	8	8	8	8
Auxiliary Finance and Insurance Services	13	13	13	13	13	13
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	11	11	11	11	12	12
Property Operators and Real Estate Services	19	20	20	20	20	20



	2010	2011	2016	2021	2026	2031
Professional, scientific and technical services						
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	63	64	64	65	65	65
Computer System Design and Related Services	5	5	5	5	5	5
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	21	22	22	22	22	22
Building Cleaning, Pest Control and Other Support Services	19	19	19	19	19	19
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	94	95	96	97	98	98
Defence	8	8	8	8	9	9
Public Order, Safety and Regulatory Services	59	60	63	64	65	66
Education and training						
Education and Training, nfd	6	6	6	7	7	7
Preschool and School Education	135	137	144	146	149	151
Tertiary Education	96	98	103	106	109	113
Adult, Community and Other Education	14	15	15	16	16	16
Health care and social assistance						
Health Care and Social Assistance, nfd	10	10	11	11	12	12
Hospitals	201	205	214	220	226	233
Medical and Other Health Care Services	122	124	130	132	134	136
Residential Care Services	87	89	93	93	94	95
Social Assistance Services	119	121	127	129	131	134
Arts and recreation services						
Arts and Recreation Services, nfd	1	1	1	1	1	1
Heritage Activities	4	4	4	4	4	4
Creative and Performing Arts Activities	1	1	1	1	1	1
Sport and Recreation Activities	14	14	14	15	15	16



	2010	2011	2016	2021	2026	2031
Gambling Activities	2	2	2	2	2	2
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	345	357	385	395	406	419
Personal Care and Other Services	55	56	58	60	61	63
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	1	2	2	2	2	2
Total	5,377	5,535	5,942	6,137	6,337	6,564

Source: Economic Associates estimates



Table D-18 Projected Employment by two digit ANZSIC, South Rockhampton Industrial Corridor, 2010-2031

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	4	4	4	4	4	4
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	0	0	0	0	0
Fishing, Hunting and Trapping	0	0	0	0	0	0
Agriculture, Forestry and Fishing Support Services	0	0	0	0	0	0
Mining						
Mining, nfd	1	1	1	1	1	1
Coal Mining	1	1	1	1	2	2
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	0	0	0	0	0	0
Exploration and Other Mining Support Services	3	4	4	4	4	5
Manufacturing						
Manufacturing, nfd	8	8	8	8	8	9
Food Product Manufacturing	131	133	139	146	153	162
Beverage and Tobacco Product Manufacturing	5	5	6	6	6	6
Textile, Leather, Clothing and Footwear Manufacturing	8	8	8	8	8	8
Wood Product Manufacturing	14	15	15	15	15	15
Pulp, Paper and Converted Paper Product Manufacturing	2	2	2	2	2	2
Printing (including Reproduction of Recorded Media)	6	7	7	7	7	8
Petroleum and Coal Product Manufacturing	1	1	1	1	1	1
Basic Chemical and Chemical Product Manufacturing	5	5	5	6	6	6
Polymer Product and Rubber Product Manufacturing	5	5	5	5	6	6
Non-Metallic Mineral Product Manufacturing	65	67	70	73	75	77
Primary Metal and Metal Product Manufacturing	33	34	36	38	39	41



	2010	2011	2016	2021	2026	2031
Fabricated Metal Product Manufacturing	41	42	45	47	50	52
Transport Equipment Manufacturing	57	58	61	62	62	63
Machinery and Equipment Manufacturing	40	41	44	46	48	51
Furniture and Other Manufacturing	16	17	17	18	18	18
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	31	31	33	34	35	36
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	5	5	5	5	5	6
Waste Collection, Treatment and Disposal Services	1	1	1	1	2	2
Construction						
Construction, nfd	2	2	2	2	2	2
Building Construction	26	27	28	28	28	29
Heavy and Civil Engineering Construction	7	7	8	8	8	8
Construction Services	163	166	172	172	171	170
Wholesale trade						
Wholesale Trade, nfd	2	2	2	2	2	2
Basic Material Wholesaling	36	37	38	37	36	35
Machinery and Equipment Wholesaling	84	85	88	90	91	92
Motor Vehicle and Motor Vehicle Parts Wholesaling	23	23	24	24	24	25
Grocery, Liquor and Tobacco Product Wholesaling	29	29	30	31	32	32
Other Goods Wholesaling	21	21	22	22	23	23
Commission-Based Wholesaling	1	1	1	1	1	1
Retail trade						
Retail Trade, nfd	4	4	4	4	4	4
Motor Vehicle and Motor Vehicle Parts Retailing	71	72	75	77	78	80
Fuel Retailing	3	3	4	4	4	4
Food Retailing	28	28	29	29	29	30
Other Store-Based Retailing	53	53	54	55	55	56
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						



	2010	2011	2016	2021	2026	2031
Accommodation and Food Services, nfd	0	0	0	0	0	0
Accommodation	22	22	23	24	24	25
Food and Beverage Services	71	72	75	77	78	80
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	1	1
Road Transport	116	118	122	123	124	125
Rail Transport	153	156	162	166	170	175
Water Transport	0	0	0	0	0	0
Air and Space Transport	1	1	1	1	2	2
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	28	28	29	30	31	31
Transport Support Services	18	19	19	20	20	21
Warehousing and Storage Services	1	1	1	1	1	1
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	25	25	26	26	27	27
Motion Picture and Sound Recording Activities	1	1	1	1	1	1
Broadcasting (except Internet)	5	5	5	5	6	6
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	5	5	5	5	5	5
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	1	1	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	12	12	12	12	12	13
Insurance and Superannuation Funds	3	3	3	3	3	4
Auxiliary Finance and Insurance Services	5	5	6	6	6	6
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	5	5	5	5	5	5
Property Operators and Real Estate Services	8	8	8	9	9	9



	2010	2011	2016	2021	2026	2031
Professional, scientific and technical services						
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	26	27	27	28	28	28
Computer System Design and Related Services	2	2	2	2	2	2
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	9	9	9	9	10	10
Building Cleaning, Pest Control and Other Support Services	8	8	8	8	8	8
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	39	40	41	42	43	43
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	0	0	0	0	0	0
Education and training						
Education and Training, nfd	1	1	1	1	1	1
Preschool and School Education	24	25	26	26	27	27
Tertiary Education	17	18	18	19	20	20
Adult, Community and Other Education	3	3	3	3	3	3
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	0	0	0	0	0	0
Medical and Other Health Care Services	0	0	0	0	0	0
Residential Care Services	0	0	0	0	0	0
Social Assistance Services	0	0	0	0	0	0
Arts and recreation services						
Arts and Recreation Services, nfd	1	1	1	1	1	1
Heritage Activities	2	2	2	2	2	2
Creative and Performing Arts Activities	1	1	1	1	1	1
Sport and Recreation Activities	7	7	8	8	8	8



	2010	2011	2016	2021	2026	2031
Gambling Activities	1	1	1	1	1	1
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	124	126	131	133	135	137
Personal Care and Other Services	29	30	31	32	33	34
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	1	1	1	1	1	1
Total	1,814	1,844	1,922	1,959	1,998	2,041

Source: Economic Associates estimates



Table D-19 Projected Employment by two digit ANZSIC, South Rockhampton Balance, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	0	0	0	0	0	1
Aquaculture	0	0	0	0	0	0
Forestry and Logging	0	0	0	0	0	0
Fishing, Hunting and Trapping	0	0	0	0	0	0
Agriculture, Forestry and Fishing Support Services	0	0	0	0	0	0
Mining						
Mining, nfd	0	0	0	0	0	0
Coal Mining	0	0	0	0	0	0
Oil and Gas Extraction	0	0	0	0	0	0
Metal Ore Mining	0	0	0	0	0	0
Non-Metallic Mineral Mining and Quarrying	0	0	0	0	0	0
Exploration and Other Mining Support Services	0	0	0	0	1	1
Manufacturing						
Manufacturing, nfd	1	1	1	1	1	1
Food Product Manufacturing	15	16	16	17	17	18
Beverage and Tobacco Product Manufacturing	1	1	1	1	1	1
Textile, Leather, Clothing and Footwear Manufacturing	1	1	1	1	1	1
Wood Product Manufacturing	2	2	2	2	2	2
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	1	1	1	1	1	1
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	1	1	1	1	1	1
Polymer Product and Rubber Product Manufacturing	1	1	1	1	1	1
Non-Metallic Mineral Product Manufacturing	8	8	8	8	8	9
Primary Metal and Metal Product Manufacturing	4	4	4	4	4	5
Fabricated Metal Product Manufacturing	5	5	5	5	6	6



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	7	7	7	7	7	7
Machinery and Equipment Manufacturing	5	5	5	5	5	6
Furniture and Other Manufacturing	2	2	2	2	2	2
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	4	4	4	4	4	4
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	1	1	1	1	1	1
Waste Collection, Treatment and Disposal Services	0	0	0	0	0	0
Construction						
Construction, nfd	0	0	0	0	0	0
Building Construction	3	3	3	3	3	3
Heavy and Civil Engineering Construction	1	1	1	1	1	1
Construction Services	19	19	20	20	20	20
Wholesale trade						
Wholesale Trade, nfd	0	0	0	0	0	0
Basic Material Wholesaling	4	4	4	4	4	4
Machinery and Equipment Wholesaling	10	10	10	10	10	11
Motor Vehicle and Motor Vehicle Parts Wholesaling	3	3	3	3	3	3
Grocery, Liquor and Tobacco Product Wholesaling	3	3	4	4	4	4
Other Goods Wholesaling	2	3	3	3	3	3
Commission-Based Wholesaling	0	0	0	0	0	0
Retail trade						
Retail Trade, nfd	0	0	0	0	0	0
Motor Vehicle and Motor Vehicle Parts Retailing	8	8	9	9	9	9
Fuel Retailing	0	0	0	0	0	0
Food Retailing	0	0	0	0	0	0
Other Store-Based Retailing	0	0	0	0	0	0
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						
Accommodation and Food Services, nfd	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Accommodation	3	3	3	3	3	3
Food and Beverage Services	8	8	9	9	9	9
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	0	0	0	0	0	0
Road Transport	14	14	14	14	14	14
Rail Transport	18	18	19	19	19	20
Water Transport	0	0	0	0	0	0
Air and Space Transport	0	0	0	0	0	0
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	3	3	3	3	3	4
Transport Support Services	2	2	2	2	2	2
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	0	0	0	0	0	0
Publishing (except Internet and Music Publishing)	3	3	3	3	3	3
Motion Picture and Sound Recording Activities	0	0	0	0	0	0
Broadcasting (except Internet)	1	1	1	1	1	1
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	1	1	1	1	1	1
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	0	0	0	0	0	0
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	0	0	0	0	0	0
Insurance and Superannuation Funds	0	0	0	0	0	0
Auxiliary Finance and Insurance Services	0	0	0	0	0	0
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	0	0	0	0	0	0
Property Operators and Real Estate Services	0	0	0	0	0	0
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	0	0	0	0	0	0
Computer System Design and Related Services	0	0	0	0	0	0
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	0	0	0	0	0	0
Building Cleaning, Pest Control and Other Support Services	0	0	0	0	0	0
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	0	0	0	0	0	0
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	0	0	0	0	0	0
Education and training						
Education and Training, nfd	0	0	0	0	0	0
Preschool and School Education	0	0	0	0	0	0
Tertiary Education	0	0	0	0	0	0
Adult, Community and Other Education	0	0	0	0	0	0
Health care and social assistance						
Health Care and Social Assistance, nfd	0	0	0	0	0	0
Hospitals	0	0	0	0	0	0
Medical and Other Health Care Services	0	0	0	0	0	0
Residential Care Services	0	0	0	0	0	0
Social Assistance Services	0	0	0	0	0	0
Arts and recreation services						
Arts and Recreation Services, nfd	0	0	0	0	0	0
Heritage Activities	0	0	0	0	0	0
Creative and Performing Arts Activities	0	0	0	0	0	0
Sport and Recreation Activities	1	1	1	1	1	1
Gambling Activities	0	0	0	0	0	0



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	15	15	15	15	15	16
Personal Care and Other Services	3	3	4	4	4	4
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	0	0	0	0	0	0
Total	183	185	191	194	197	201

Source: Economic Associates estimates



Table D-20 Projected Employment by two digit ANZSIC, South Rockhampton Commercial Corridor, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	13	14	14	15	15	15
Aquaculture	0	0	0	0	0	0
Forestry and Logging	1	1	1	1	1	1
Fishing, Hunting and Trapping	1	1	1	1	1	1
Agriculture, Forestry and Fishing Support Services	1	1	1	1	1	1
Mining						
Mining, nfd	5	5	5	5	5	5
Coal Mining	4	4	5	5	5	6
Oil and Gas Extraction	0	0	0	1	1	1
Metal Ore Mining	1	1	1	1	1	1
Non-Metallic Mineral Mining and Quarrying	1	1	1	2	2	2
Exploration and Other Mining Support Services	12	12	13	14	15	16
Manufacturing						
Manufacturing, nfd	27	27	28	29	29	30
Food Product Manufacturing	63	64	65	66	68	70
Beverage and Tobacco Product Manufacturing	3	3	3	3	3	3
Textile, Leather, Clothing and Footwear Manufacturing	4	4	4	4	4	4
Wood Product Manufacturing	7	7	7	7	7	7
Pulp, Paper and Converted Paper Product Manufacturing	1	1	1	1	1	1
Printing (including Reproduction of Recorded Media)	3	3	3	3	3	3
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	2	2	2	3	3	3
Polymer Product and Rubber Product Manufacturing	2	2	3	3	3	3
Non-Metallic Mineral Product Manufacturing	32	32	33	33	34	34
Primary Metal and Metal Product Manufacturing	16	16	17	17	17	18



	2010	2011	2016	2021	2026	2031
Fabricated Metal Product Manufacturing	20	20	21	21	22	22
Transport Equipment Manufacturing	28	28	28	29	29	29
Machinery and Equipment Manufacturing	19	19	20	20	21	22
Furniture and Other Manufacturing	8	8	8	8	8	8
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	107	109	114	118	121	125
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	17	18	18	19	19	19
Waste Collection, Treatment and Disposal Services	5	5	5	5	5	5
Construction						
Construction, nfd	6	7	7	7	7	7
Building Construction	92	93	98	98	99	100
Heavy and Civil Engineering Construction	25	25	26	27	27	28
Construction Services	79	80	81	81	81	80
Wholesale trade						
Wholesale Trade, nfd	6	6	6	6	7	7
Basic Material Wholesaling	18	18	18	18	18	17
Machinery and Equipment Wholesaling	41	41	41	42	42	42
Motor Vehicle and Motor Vehicle Parts Wholesaling	11	11	11	11	11	11
Grocery, Liquor and Tobacco Product Wholesaling	14	14	14	14	15	15
Other Goods Wholesaling	10	10	10	11	11	11
Commission-Based Wholesaling	4	4	4	4	4	4
Retail trade						
Retail Trade, nfd	25	25	27	27	28	28
Motor Vehicle and Motor Vehicle Parts Retailing	34	35	35	36	36	36
Fuel Retailing	20	21	22	22	23	23
Food Retailing	165	169	178	181	185	189
Other Store-Based Retailing	309	316	333	343	353	364
Non-Store Retailing and Retail Commission Based Buying and/or Selling	1	1	2	2	2	2
Accommodation and food services						



	2010	2011	2016	2021	2026	2031
Accommodation and Food Services, nfd	0	0	0	1	1	1
Accommodation	75	77	80	82	84	86
Food and Beverage Services	246	251	263	268	273	280
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	2	2	2	2	2	2
Road Transport	56	56	57	58	58	58
Rail Transport	74	75	76	77	78	79
Water Transport	1	1	1	1	1	1
Air and Space Transport	5	5	5	5	5	5
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	13	13	14	14	14	14
Transport Support Services	9	9	9	9	9	9
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	1	1	1	1	1	1
Publishing (except Internet and Music Publishing)	12	12	12	12	12	12
Motion Picture and Sound Recording Activities	4	4	4	5	5	5
Broadcasting (except Internet)	17	18	18	19	20	20
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	16	16	17	17	18	18
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	2	2	2	2	2	2
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	18	19	21	21	22	23
Insurance and Superannuation Funds	5	5	6	6	6	7
Auxiliary Finance and Insurance Services	8	9	10	10	10	11
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	7	7	8	9	9	10
Property Operators and Real Estate Services	12	13	14	15	15	15



	2010	2011	2016	2021	2026	2031
Professional, scientific and technical services						
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	40	42	47	48	50	52
Computer System Design and Related Services	3	3	4	4	4	4
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	14	14	16	17	18	19
Building Cleaning, Pest Control and Other Support Services	12	12	14	14	14	15
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	60	63	70	74	78	83
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	0	0	0	0	0	0
Education and training						
Education and Training, nfd	12	12	12	13	13	14
Preschool and School Education	263	268	280	285	290	295
Tertiary Education	187	191	200	206	213	221
Adult, Community and Other Education	28	29	30	31	31	32
Health care and social assistance						
Health Care and Social Assistance, nfd	14	14	14	15	15	16
Hospitals	265	271	283	291	299	308
Medical and Other Health Care Services	161	164	172	174	177	180
Residential Care Services	115	117	122	123	124	125
Social Assistance Services	157	160	168	170	173	177
Arts and recreation services						
Arts and Recreation Services, nfd	2	2	2	2	2	2
Heritage Activities	7	7	8	8	8	8
Creative and Performing Arts Activities	2	2	2	2	2	2
Sport and Recreation Activities	25	26	27	28	28	29



	2010	2011	2016	2021	2026	2031
Gambling Activities	3	3	3	4	4	4
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	60	61	62	62	62	63
Personal Care and Other Services	102	104	109	111	114	117
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	3	3	3	3	3	3
Total	3,383	3,447	3,604	3,679	3,756	3,844

Source: Economic Associates estimates



Table D-21 Projected Employment by two digit ANZSIC, South Rockhampton Residential, 2010-31

	2010	2011	2016	2021	2026	2031
Agriculture, forestry and fishing						
Agriculture, Forestry and Fishing, nfd	0	0	0	0	0	0
Agriculture	15	15	16	16	16	17
Aquaculture	0	0	0	0	0	0
Forestry and Logging	1	1	1	1	1	1
Fishing, Hunting and Trapping	1	1	1	1	1	1
Agriculture, Forestry and Fishing Support Services	2	2	2	2	2	2
Mining						
Mining, nfd	5	5	5	6	6	6
Coal Mining	5	5	5	5	6	6
Oil and Gas Extraction	1	1	1	1	1	1
Metal Ore Mining	1	1	1	1	1	1
Non-Metallic Mineral Mining and Quarrying	2	2	2	2	2	2
Exploration and Other Mining Support Services	13	14	15	16	17	18
Manufacturing						
Manufacturing, nfd	29	30	31	32	32	33
Food Product Manufacturing	8	8	9	9	10	10
Beverage and Tobacco Product Manufacturing	0	0	0	0	0	0
Textile, Leather, Clothing and Footwear Manufacturing	0	0	0	0	0	0
Wood Product Manufacturing	1	1	1	1	1	1
Pulp, Paper and Converted Paper Product Manufacturing	0	0	0	0	0	0
Printing (including Reproduction of Recorded Media)	0	0	0	0	0	1
Petroleum and Coal Product Manufacturing	0	0	0	0	0	0
Basic Chemical and Chemical Product Manufacturing	0	0	0	0	0	0
Polymer Product and Rubber Product Manufacturing	0	0	0	0	0	0
Non-Metallic Mineral Product Manufacturing	4	4	4	5	5	5
Primary Metal and Metal Product Manufacturing	2	2	2	2	3	3
Fabricated Metal Product Manufacturing	3	3	3	3	3	3



	2010	2011	2016	2021	2026	2031
Transport Equipment Manufacturing	4	4	4	4	4	4
Machinery and Equipment Manufacturing	2	2	3	3	3	3
Furniture and Other Manufacturing	1	1	1	1	1	1
Electricity, gas, water and waste services						
Electricity, Gas, Water and Waste Services, nfd	0	0	0	0	0	0
Electricity Supply	118	120	126	130	134	138
Gas Supply	0	0	0	0	0	0
Water Supply, Sewerage and Drainage Services	19	19	20	21	21	21
Waste Collection, Treatment and Disposal Services	5	5	6	6	6	6
Construction						
Construction, nfd	7	7	8	8	8	8
Building Construction	101	103	108	108	109	110
Heavy and Civil Engineering Construction	27	28	29	30	30	31
Construction Services	10	10	11	11	11	11
Wholesale trade						
Wholesale Trade, nfd	6	7	7	7	7	8
Basic Material Wholesaling	2	2	2	2	2	2
Machinery and Equipment Wholesaling	5	5	5	6	6	6
Motor Vehicle and Motor Vehicle Parts Wholesaling	1	1	1	2	2	2
Grocery, Liquor and Tobacco Product Wholesaling	2	2	2	2	2	2
Other Goods Wholesaling	1	1	1	1	1	1
Commission-Based Wholesaling	4	4	4	4	4	4
Retail trade						
Retail Trade, nfd	4	4	4	4	5	5
Motor Vehicle and Motor Vehicle Parts Retailing	4	4	5	5	5	5
Fuel Retailing	3	3	4	4	4	4
Food Retailing	26	27	29	29	30	31
Other Store-Based Retailing	48	50	54	56	58	61
Non-Store Retailing and Retail Commission Based Buying and/or Selling	0	0	0	0	0	0
Accommodation and food services						
Accommodation and Food Services, nfd	1	1	1	1	1	1



	2010	2011	2016	2021	2026	2031
Accommodation	83	85	89	90	92	94
Food and Beverage Services	271	277	290	295	301	308
Transport, postal and warehousing						
Transport, Postal and Warehousing, nfd	2	2	2	2	2	2
Road Transport	7	7	8	8	8	8
Rail Transport	9	10	10	10	11	11
Water Transport	1	1	1	1	1	1
Air and Space Transport	5	5	5	6	6	6
Other Transport	0	0	0	0	0	0
Postal and Courier Pick-up and Delivery Services	2	2	2	2	2	2
Transport Support Services	1	1	1	1	1	1
Warehousing and Storage Services	0	0	0	0	0	0
Information media and telecommunications						
Information Media and Telecommunications, nfd	1	1	1	1	1	1
Publishing (except Internet and Music Publishing)	2	2	2	2	2	2
Motion Picture and Sound Recording Activities	5	5	5	5	5	5
Broadcasting (except Internet)	19	19	20	21	22	22
Internet Publishing and Broadcasting	0	0	0	0	0	0
Telecommunications Services	18	18	19	19	19	20
Internet Service Providers, Web Search Portals and Data Processing Services	0	0	0	0	0	0
Library and Other Information Services	2	2	2	2	2	2
Financial and insurance services						
Financial and Insurance Services, nfd	0	0	0	0	0	0
Finance	19	19	19	19	19	19
Insurance and Superannuation Funds	5	5	5	5	5	5
Auxiliary Finance and Insurance Services	9	9	9	9	9	9
Rental, hiring and real estate services						
Rental, Hiring and Real Estate Services, nfd	0	0	0	0	0	0
Rental and Hiring Services (except Real Estate)	7	8	8	8	8	8
Property Operators and Real Estate Services	13	13	13	13	13	13
Professional, scientific and technical services						



	2010	2011	2016	2021	2026	2031
Professional, Scientific and Technical Services, nfd	0	0	0	0	0	0
Professional, Scientific and Technical Services (except Computer Systems Design and Related Services)	42	42	43	43	43	44
Computer System Design and Related Services	3	3	4	4	4	4
Administrative and support services						
Administrative and Support Services, nfd	0	0	0	0	0	0
Administrative Services	14	14	15	15	15	15
Building Cleaning, Pest Control and Other Support Services	12	13	13	13	13	13
Public administration and safety						
Public Administration and Safety, nfd	0	0	0	0	0	0
Public Administration	63	63	64	65	65	66
Defence	0	0	0	0	0	0
Public Order, Safety and Regulatory Services	0	0	0	0	0	0
Education and training						
Education and Training, nfd	24	25	26	27	27	28
Preschool and School Education	543	553	579	588	598	610
Tertiary Education	387	395	413	426	440	456
Adult, Community and Other Education	58	59	62	63	64	66
Health care and social assistance						
Health Care and Social Assistance, nfd	43	44	46	47	49	51
Hospitals	837	854	893	918	942	971
Medical and Other Health Care Services	507	517	541	549	558	567
Residential Care Services	362	369	386	389	392	396
Social Assistance Services	496	506	529	538	547	557
Arts and recreation services						
Arts and Recreation Services, nfd	2	2	2	2	3	3
Heritage Activities	8	8	9	9	8	8
Creative and Performing Arts Activities	2	2	2	2	2	2
Sport and Recreation Activities	28	28	30	30	31	32
Gambling Activities	4	4	4	4	4	4



	2010	2011	2016	2021	2026	2031
Other services						
Other Services, nfd	0	0	0	0	0	0
Repair and Maintenance	8	8	8	8	8	9
Personal Care and Other Services	112	114	120	123	125	129
Private Households Employing Staff and Undifferentiated Goods and Service-Producing Activities of Households for Own Use	0	0	0	0	0	0
Inadequately described	0	0	0	0	0	0
Not stated	3	3	3	3	3	4
Total	4,534	4,621	4,833	4,932	5,033	5,148

Source: Economic Associates estimates



ECONOMIC ASSOCIATES

Appendix E

Regulatory Review

**Table E-1 Economic Regulatory Review**

Former Council Area	Regulatory Document	Planning Scheme Area	Economic Issues
Rockhampton City Council	<i>Rockhampton City Plan 2005</i>	Yaamba Road South Commercial Area Musgrave Street Commercial Area South Rockhampton Highway Commercial Area	The Rockhampton Planning Scheme supports ribbon development along the Bruce Highway. Despite these areas being previously established with commercial and industrial development (light and service industries) adjacent to the Bruce Highway, support for further expansion of these areas has the potential to hamper consolidation and re-development within the CBD. Pressure may increase for increased heights and further consolidation of retail and commercial activities within these precincts. Policy decisions must be put in place regarding the management of this growth with regard to its impact on other centres. Significant retail growth within South Rockhampton Highway Area into the future may conflict with the retail and commercial investment in Gracemere. Also, it is likely that existing heritage controls and lack of available vacant land has discouraged investment within the CBD.
		Central Business District Commercial Area	It is likely that existing heritage controls and lack of available vacant land is likely to have discouraged further retail and commercial investment within the CBD. Heights and densities should be encouraged within the CBD to achieve retail and commercial growth targets.



Former Council Area	Regulatory Document	Planning Scheme Area	Economic Issues
		Airport Special Use Area	Opportunity exists at the Rockhampton Airport for the expansion of industrial related activities such as expansion of the aviation industry, defence related purposes and supporting manufacturing and service industries. Whilst the land within this area is constrained by flooding and is characterised by access issues (through existing residential areas) new areas for industry may emerge as access arrangements are improved and flooding constraints are managed and residential interface issues are resolved, where appropriate.
		Parkhurst Industrial Area Norbank Estate Special Use Area (Industrial Precinct) Park Avenue Industrial Area	Encroachment of incompatible land uses on existing industrial areas, constraining the expansion and provision of future industrial land has been emerging within Rockhampton. The provision and maintenance of appropriate buffers between industrial uses and emerging residential areas in some instances have been overlooked.
Fitzroy Shire Council	<i>Fitzroy Shire Planning Scheme 2005</i>	Gracemere-Stanwell Zone	Lack of infrastructure, including sufficient access and reticulated water and sewer supply, has hampered industrial development within the Gracemere-Stanwell Zone (within the former Fitzroy Shire Council). Growth may have been hindered in the past by the absence of a sequenced approach to facilitating development and infrastructure planning and provision within specific precincts within the area.
		Special Industrial Zone (Bajool Explosives Magazine Area)	The planning scheme does not provide for buffering (i.e. a land use buffer of low impact industries or the like) of the Bajool Explosives Magazine Area to prevent the long term encroachment of incompatible land uses which may place pressure on the ongoing operation of the activity.



Former Council Area	Regulatory Document	Planning Scheme Area	Economic Issues
Livingstone Shire Council	<i>Livingstone Shire Planning Scheme 2005</i>	Yeppoon	Out of zoning development has been supported for example industry at Hidden Valley and at 'Pineapple Patch'.
		Yeppoon	Continued growth in residential areas will mean that commercial and retail centres within the Yeppoon may need to consolidate and areas such as Hidden Valley are likely to have pressures for commercial, industrial and retail development.
Mount Morgan Shire Council	<i>Mount Morgan Planning Scheme 2003</i>		No regulatory issues identified. Low levels of growth have occurred in Mount Morgan Shire.



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