

# Contents

<b>Foreword</b> .....	iii
<b>Introduction</b> .....	1
Geographic units used in this report .....	2
The Remoteness Structure.....	2
Statistical Areas Level 4 .....	3
Statistical Areas Level 2 .....	5
Significant Urban Areas .....	5
<b>1. Demographic change</b> .....	7
1.1 Introduction.....	7
1.2 Headline indicators .....	8
1.2.1 Population growth .....	8
1.2.2 Net internal migration.....	11
1.3 Current issue: ageing in Australia's regions .....	12
1.3.1 The age profile.....	12
1.3.2 Retirement income .....	14
1.3.3 Housing affordability/demand .....	15
1.3.4 Meeting demand for services and infrastructure .....	16
1.3.5 Age dependency ratio .....	17
1.3.6 Labour force participation rate .....	17
1.3.7 Implications of a reduced economic base .....	18
1.3.8 Opportunities for regions.....	18
1.4 Case studies .....	19
1.4.1 Case Study 1 .....	19
1.4.2 Case Study 2 .....	22
1.4.3 Case Study 3 .....	26
1.4.4 Comparison between the Mid North Coast, Queenscliff and Barossa – Yorke – Mid North .....	32
1.5 Conclusion .....	33
<b>2. Economic wellbeing</b> .....	35
2.1 Introduction.....	35
2.2 Progress indicators.....	36
2.2.1 Young people engaged in work or study .....	36
2.2.2 Median income .....	41
2.2.3 The low income ratio.....	48
2.3 Current issue: regional house prices .....	51
2.3.1 Geographic distribution of house prices, 2013 .....	52

2.3.2 House prices and coastal areas .....	56
2.3.3 House prices and remoteness .....	57
2.4 Conclusion .....	59
<b>3. Structural change</b> .....	<b>61</b>
3.1 Introduction.....	61
3.2.1 Structural change index.....	62
3.3.1 National context .....	67
3.3.2 Industry structure and Remoteness Class .....	70
3.3.3 Trends across Remoteness Classes .....	72
3.3.4 Trends across sub-state regions .....	77
<b>4. Social progress</b> .....	<b>85</b>
4.1 Introduction.....	85
4.2 Progress indicators .....	86
4.2.1 Health .....	86
4.2.2 Safety.....	90
4.2.3 Community connections and engagement.....	91
4.3 Current issue: mental health in regional Australia.....	93
4.3.1 The prevalence of mental illness .....	93
4.3.2 Access to mental health services in regional Australia .....	95
4.4 Conclusion .....	98
<b>5. Infrastructure</b> .....	<b>99</b>
5.1 Introduction.....	99
5.2 Infrastructure and long-term development.....	99
5.3 Moving freight.....	101
5.3.1 Road freight activity .....	103
5.3.2 Australia's bulk ports .....	105
5.3.3 Volume of freight through ports .....	107
5.3.4 Air freight .....	107
5.3.5 Rail freight .....	109
5.4 Moving people .....	109
5.4.1 Transport mode for journey to work .....	109
5.4.2 Kilometres travelled by passenger vehicles .....	110
5.4.3 Road fatalities .....	112
5.4.4 Passengers through airports.....	113
5.5 Conclusion .....	115
<b>6. Conclusion</b> .....	<b>117</b>
<b>References</b> .....	<b>119</b>

## List of tables

Table 1.1	Population projections by Remoteness Class, 2012–2027 .....	10
Table 1.2	Population growth, top 10 Significant Urban Areas, 2001–2013 .....	10
Table 1.3	Net internal migration by Remoteness Class, 2006–2011 .....	11
Table 1.4	Age profile by Remoteness Class, 2013.....	12
Table 1.5	Proportion of population aged 65 and over, top 10 SA2s, 2013 .....	14
Table 1.6	Population on selected pensions/allowances by Remoteness Class, 2011 .....	14
Table 1.7	Percentage of population on the age pension by Local Government Area, June 2013 .....	15
Table 1.8	Average residential property prices by Remoteness Class, 2009–2013.....	16
Table 1.9	Age dependency ratio by Significant Urban Area, 2013.....	17
Table 1.10	Labour force participation rate by Remoteness Class, 2001–2011.....	18
Table 1.11	Proportion and change in population aged 65 and over, 2001–2013 .....	20
Table 1.12	Labour force participation rate, Mid North Coast SUAs, 2001, 2006 and 2011 .....	21
Table 1.13	Age pension recipients, Mid North Coast Local Government Areas, 2013.....	21
Table 1.14	House prices, Mid North Coast SA4, 2009–2013 .....	22
Table 1.15	Age dependency ratio, SA2s within Barossa – Yorke – Mid North SA4, 2013 .....	29
Table 1.16	Labour force participation rates, SA2s in the Barossa – Yorke – Mid North region, 2001, 2006 and 2011 .....	30
Table 1.17	Age pension recipients, Barossa – Yorke – Mid North, 2013.....	31
Table 2.1	Proportion of young people earning or learning by Remoteness Class, 2001, 2006 and 2011.....	37
Table 2.2	Proportion of young people earning or learning, SA4s, bottom 15, 2011 .....	39
Table 2.3	Change in the proportion of young people earning or learning, SA4s, top five, 2001–2011.....	39
Table 2.4	Change in percentage of young people earning or learning, SA4s, bottom five, 2001–2011 .....	40
Table 2.5	Real median weekly household income by Remoteness Class, 2001, 2006 and 2011 .....	41
Table 2.6	Real median weekly household income, SA2s, top five, 2011.....	45
Table 2.7	Real median weekly household income, SA2s, bottom five, 2011 .....	46
Table 2.8	Change in real median weekly household income, SA2s, top 15, 2001–2011.....	47
Table 2.9	Change in real median weekly household income, SA2s, bottom 15, 2001–2011 .....	48
Table 2.10	Low income ratio (intra-regional income disparity) by Remoteness Class 2011.....	49
Table 2.11	Regions with highest income ratio (lowest disparity), 2011 .....	49
Table 2.12	Regions with lowest income ratio (highest disparity), 2011 .....	50
Table 2.13	House prices by Remoteness Class, 2009–2013.....	51
Table 2.14	Highest average house prices, top 10 SUAs, 2013 .....	53
Table 2.15	Lowest average house prices, bottom 10 SUAs, 2013.....	55
Table 3.1	Structural change index by Remoteness Class, 2006–2011.....	63
Table 3.2	Structural change index, top five sub-state regions, 2006–2011.....	65
Table 3.3	Structural change index, bottom five sub-state regions, 2006–2011 .....	66
Table 3.4	Regions with fastest rate of growth and decline in Manufacturing, 2001–2011 .....	74
Table 3.5	Correlations between structural change index and selected variables, 2001–2011.....	78

Table 4.1	Life expectancy at birth, 2006–2012 .....	87
Table 4.2	Life expectancy at birth, top and bottom regions, 2012 .....	88
Table 4.3	Percentage of people above 15 who did voluntary work, top and bottom SA4s, 2011 .....	92
Table 4.4	Actively participated in a civic or political group in the last 12 months, 2006–2010 .....	93
Table 4.5	Percentage of adults with high or very high psychological distress, 2004–05 to 2011–12.....	97
Table 5.1	Road freight tonne kilometres by capital city/balance of state.....	104
Table 5.2	Volume of freight through ports by Remoteness Class, 2008–09 to 2012–13 .....	107
Table 5.3	Imports and exports from airports, 2005–06 to 2013–14 .....	108
Table 5.4	Transport mode shares for journey to work by Remoteness Class.....	110
Table 5.5	Road fatalities by Remoteness Class, 2008–2012 .....	112
Table 5.6	Number of passengers through airports by Remoteness Class .....	113
Table 5.7	Number of regional airports served by Remoteness Class .....	114

## List of figures

Figure 1.1	Population by Remoteness Class, 2013 .....	8
Figure 1.2	Population growth rate by Remoteness Class, 2004 to 2013.....	9
Figure 1.3	Population by age, states and territories, 2013 .....	13
Figure 1.4	Proportion and change of population aged over 65, Geelong SA2s, 2001–2013.....	24
Figure 1.5	House prices, Geelong SA4, 2013.....	24
Figure 1.6	Proportion and change of population aged over 65, Barossa – Yorke – Mid North SA4, 2001–2013 .....	28
Figure 1.7	House prices, Barossa – Yorke – Mid North SA4, 2013 .....	31
Figure 2.1	Unemployment rate for 15 to 24 year olds (young people) and 15 to 64 year olds (all working age), Australia, 1978–2014.....	37
Figure 2.2	Frequency of engagement, capital city and regional SA4s, 2011.....	38
Figure 2.3	Young people earning or learning, selected North West Victoria SA2s, 2001–2011 .....	40
Figure 2.4	Median weekly household income, SA2s, 2011.....	43
Figure 2.5	Income distribution across SA2s within Remoteness Classes, 2011 .....	44
Figure 2.6	Low income ratio and real median weekly household income, SA4s, 2011 .....	50
Figure 2.7	Frequency of average house prices, SUAs, 2013 .....	52
Figure 2.8	Relationship between house prices and population, SUAs, 2013 .....	53
Figure 2.9	Relationship between house prices and population to 100,000, SUAs, 2013 .....	54
Figure 2.10	Economic indicators for Broken Hill SUAs, New South Wales.....	56
Figure 2.11	Average house prices and population, coastal and inland SUAs, 2013 .....	57
Figure 2.12	Average house prices and population, SUAs by Remoteness Class, 2013.....	58
Figure 3.1	Change in employment share for selected industries by Remoteness Class, 2006–2011 .....	64
Figure 3.2	Change in employment share for selected industries in high-change regions, 2006–2011 .....	65
Figure 3.3	Employment by industry for selected countries, 1985–2010 .....	68
Figure 3.4	Agriculture, Forestry and Fishing, employment vs. gross value added, 1986–2013 .....	69
Figure 3.5	Textile, Leather Clothing and Footwear Manufacturing, employment vs. gross value added, 1986–2013 .....	69
Figure 3.6	Machinery and Equipment Manufacturing, employment vs. gross value added, 1986–2013.....	70
Figure 3.7	Employment share by industry and Remoteness Class, 2011 .....	71
Figure 3.8	Employment share for selected industries, 2011 .....	72
Figure 3.9	Change in employment share and total jobs for selected industries, 2001–2011 .....	73
Figure 3.10	Structural change (2001–2011) versus population (2001) for sub-state regions .....	79
Figure 3.11	Selected characteristics by quartile, 2001–2011.....	80
Figure 4.1	Percentage of adults who met physical activity guidelines, 2007–08 to 2011–12 .....	89
Figure 4.2	Victims of physical assault across Remoteness Classes, 2008–09 to 2012–13 .....	90
Figure 4.3	Victims of malicious property damage across Remoteness Classes, 2008–09 to 2012–13 .....	91
Figure 4.4	Percentage of people above 15 who did voluntary work, 2006–2011.....	92
Figure 4.5	Percentage of adults with high or very high psychological distress, 2004–05 to 2011–12.....	94

Figure 4.6	Full-time equivalent health professionals per 100,000 population, 2012.....	96
Figure 5.1	Value and volume of sea freight Western Australia – Outback SA4, 2005–06 to 2013–14.....	106
Figure 5.2	Value and volume of air freight Townsville SA4, 2005–06 to 2013–14 .....	109
Figure 5.3	Passenger movements at regional airports by Remoteness Class, 1984–2010.....	114

## List of maps

Map A	Remoteness Areas in Australia, 2011.....	2
Map B	Statistical Areas Level 4 .....	3
Map 1.1	Percentage of population aged 65 years and over in the Mid North Coast (SA4), 2013 .....	20
Map 1.2	Proportion of population aged 65 years and over in Geelong (SA4), 2013.....	23
Map 1.3	Percentage of population aged 65 years and over in the Barossa – Yorke – Mid North (SA4), 2013 .....	27
Map 2.1	Median weekly household income, SA2s, 2011.....	42
Map 3.1	Growth in Manufacturing employment, Bunbury, 2001–2011 .....	75
Map 3.2	Largest employing industry, 2001–2011 .....	77
Map 3.3	Employment growth in Darling Downs – Maranoa, 2001–2011.....	82
Map 4.1	Life expectancy at birth, 2012, and change in life expectancy at birth, 2006–2012 .....	88
Map 5.1	Towns in Australia by population size, 1911.....	100
Map 5.2	Towns in Australia by population size, 2006.....	101
Map 5.3	Major freight flows in Australia, 2011–12 .....	102
Map 5.4	Value of merchandise through Australian airports, 2011–12.....	108

