

Population Trends and Prospects in the North Western Region



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Mount Isa, 16th August, 2007

Outline

- ◆ Population issues
 - concepts
 - trends – national, state, regional and local
 - projections
- ◆ Afternoon tea
- ◆ Research issues
 - Results from the 2006 Census
 - Current and planned research

What population figures can I get?

- ◆ From the Census
 - Usual resident count (where people lived)
 - Place of enumeration count (where people were counted on 8th August)
 - Working population count
 - Indigenous population count
- ◆ Estimates of the resident population (ERP)
 - Pre-Census estimate
 - Census-based estimate

Deriving an ERP from a Census Count

Components of Estimated Resident Population	'000
Census count, actual location	4046.9
Plus residents absent interstate	38.1
Less Interstate visitors	(107.5)
Less Overseas visitors	(72.9)
Equals Census count Place of Usual Residence	3904.6
Plus adjustments for under-enumeration	148.4
Plus residents temporarily overseas	50.4
Demographic adjustment for age-sex anomalies	(3.1)
Equals QLD ERP 7 August 2006	4100.3

Preparing the ERP for 30 June

Components from 1 July to 8 August 2006	'000
ERP at 8 August 2006	4100.3
Less Births	(6.1)
Plus Deaths	2.9
Less net interstate migration	(2.4)
Less net permanent and long-term overseas movement	(3.2)
Equals QLD ERP as at 30 June 2006	4091.5

Which population figure do I use?

LGA	Usual Residence	Place of Enumeration	Rebased ERP: 2006(pc)
Mount Isa (C)	19,660	21,073	21,082
Cloncurry (S)	3,136	3,698	3,362
McKinlay (S)	894	1,343	968
Richmond (S)	901	930	962
Flinders (S)	1,789	1,960	1,907
NW Region	26,380	29,004	28,281

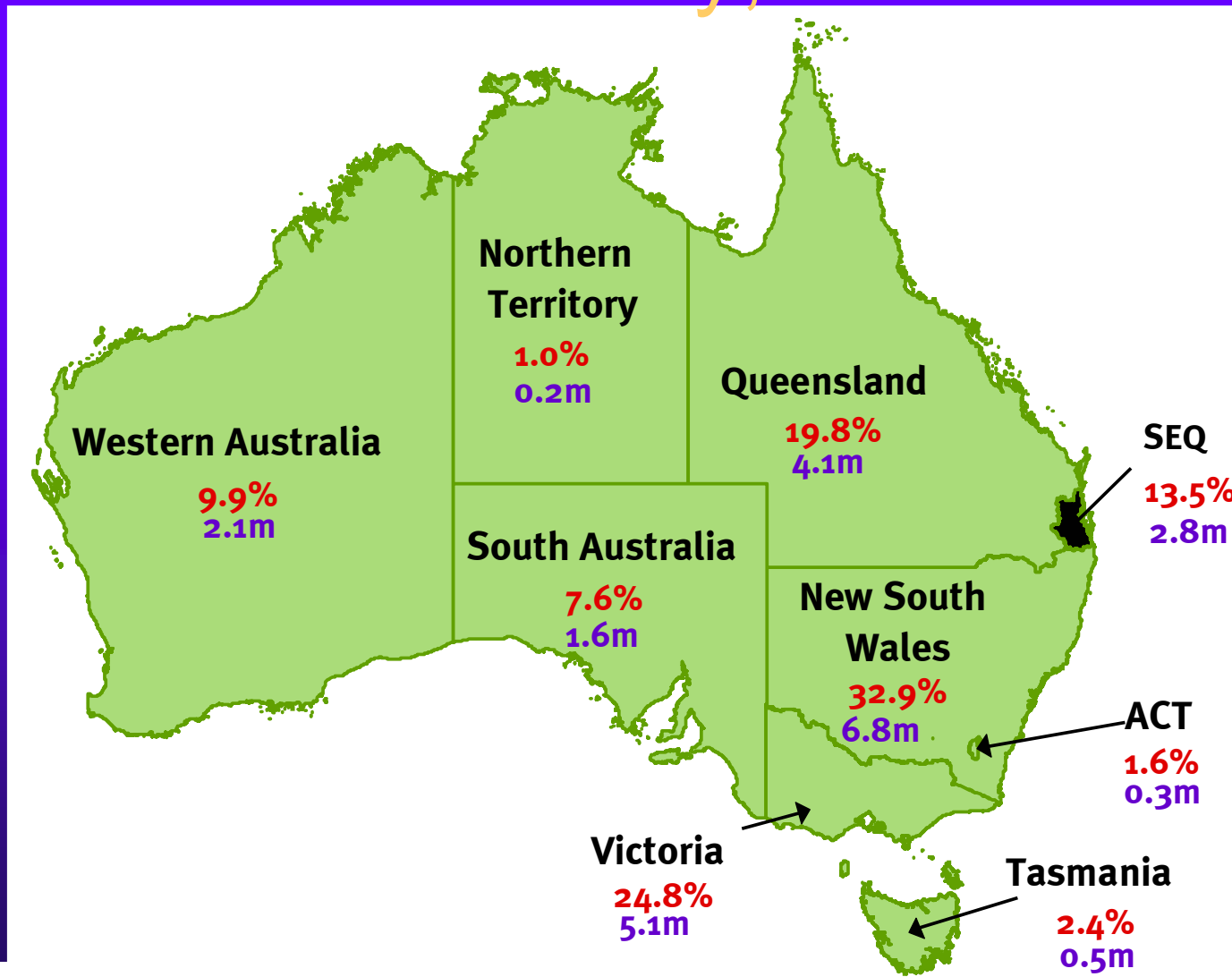


Difference in estimates

LGA	2001	2006(p)	2006(pc)	Difference
Mount Isa (C)	21,149	21,421	21,082	-339
Cloncurry (S)	3,827	3,890	3,362	-528
McKinlay (S)	1,066	1,017	968	-49
Richmond (S)	1,150	1,151	962	-189
Flinders (S)	2,090	1,962	1,907	-55
NW Region	29,282	29,441	28,281	-1,160

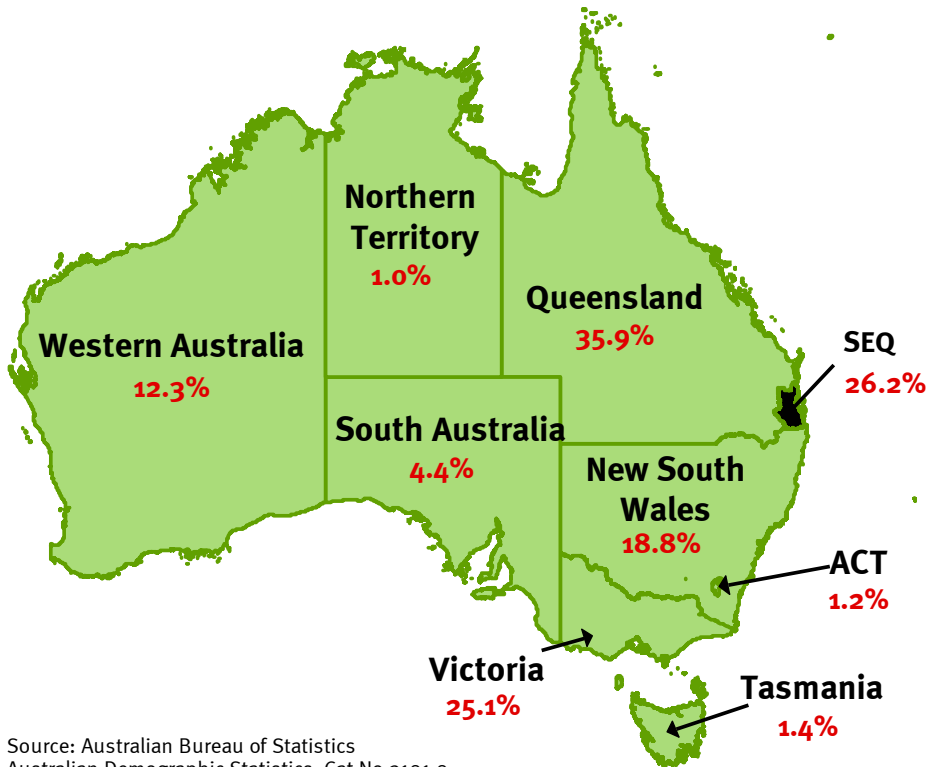
Population trends

Proportion of Australia's Population, by state and territory, June 2006



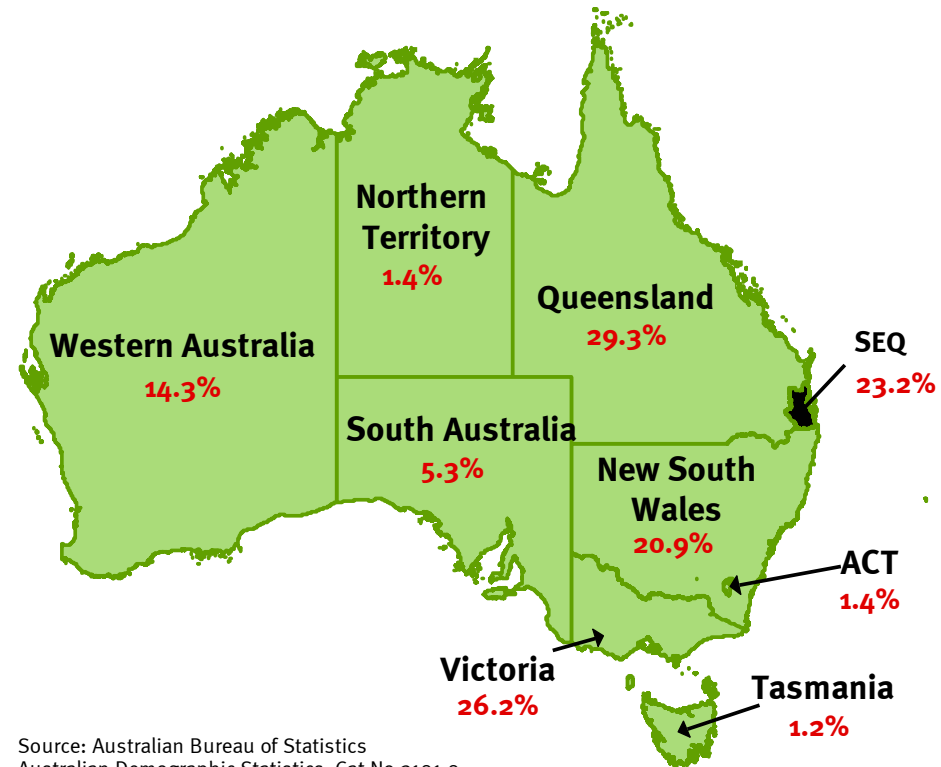
Rapid population growth

2001-2006



Source: Australian Bureau of Statistics
Australian Demographic Statistics, Cat No 3101.0

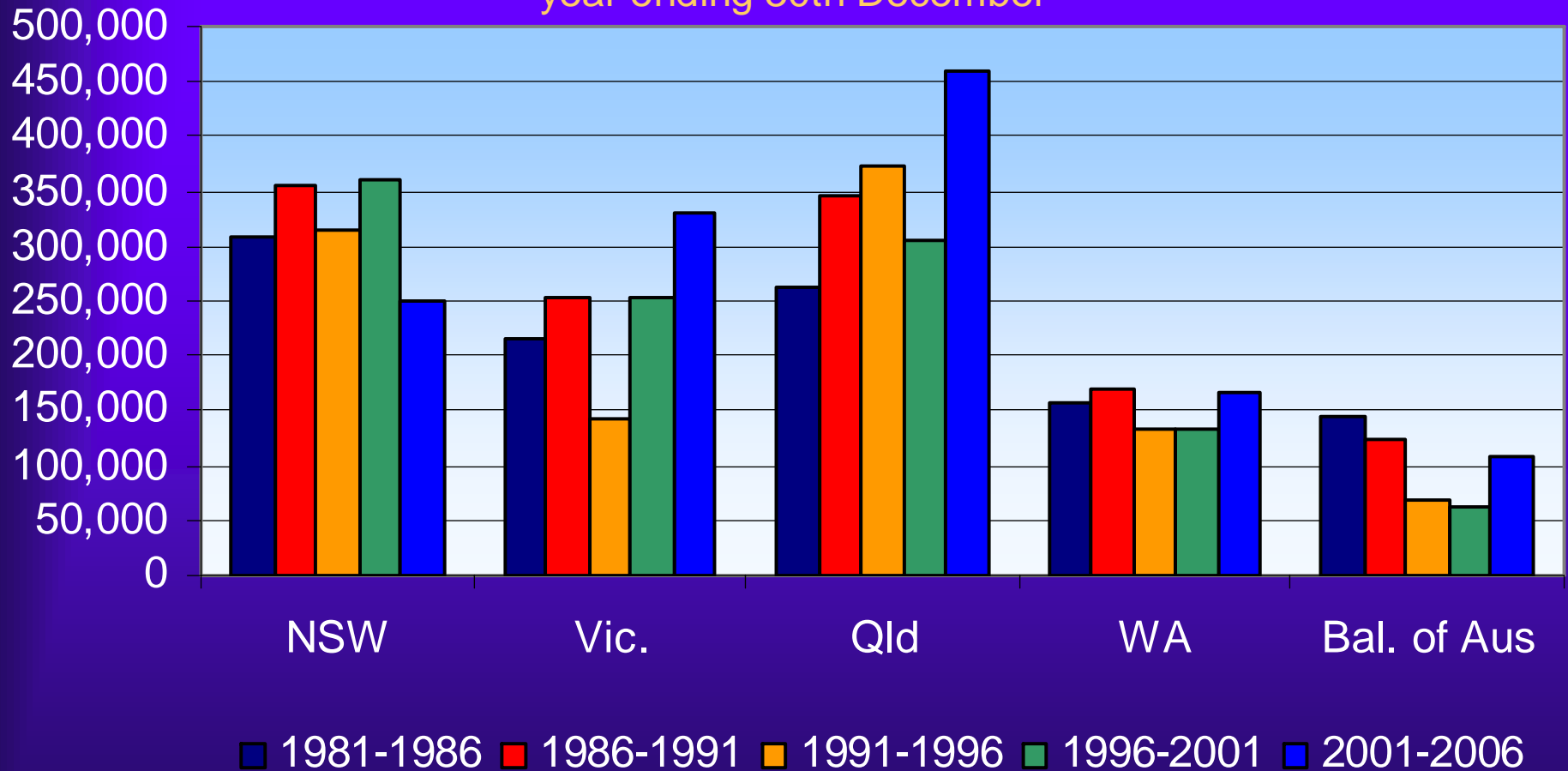
2005-2006



Source: Australian Bureau of Statistics
Australian Demographic Statistics, Cat No 3101.0

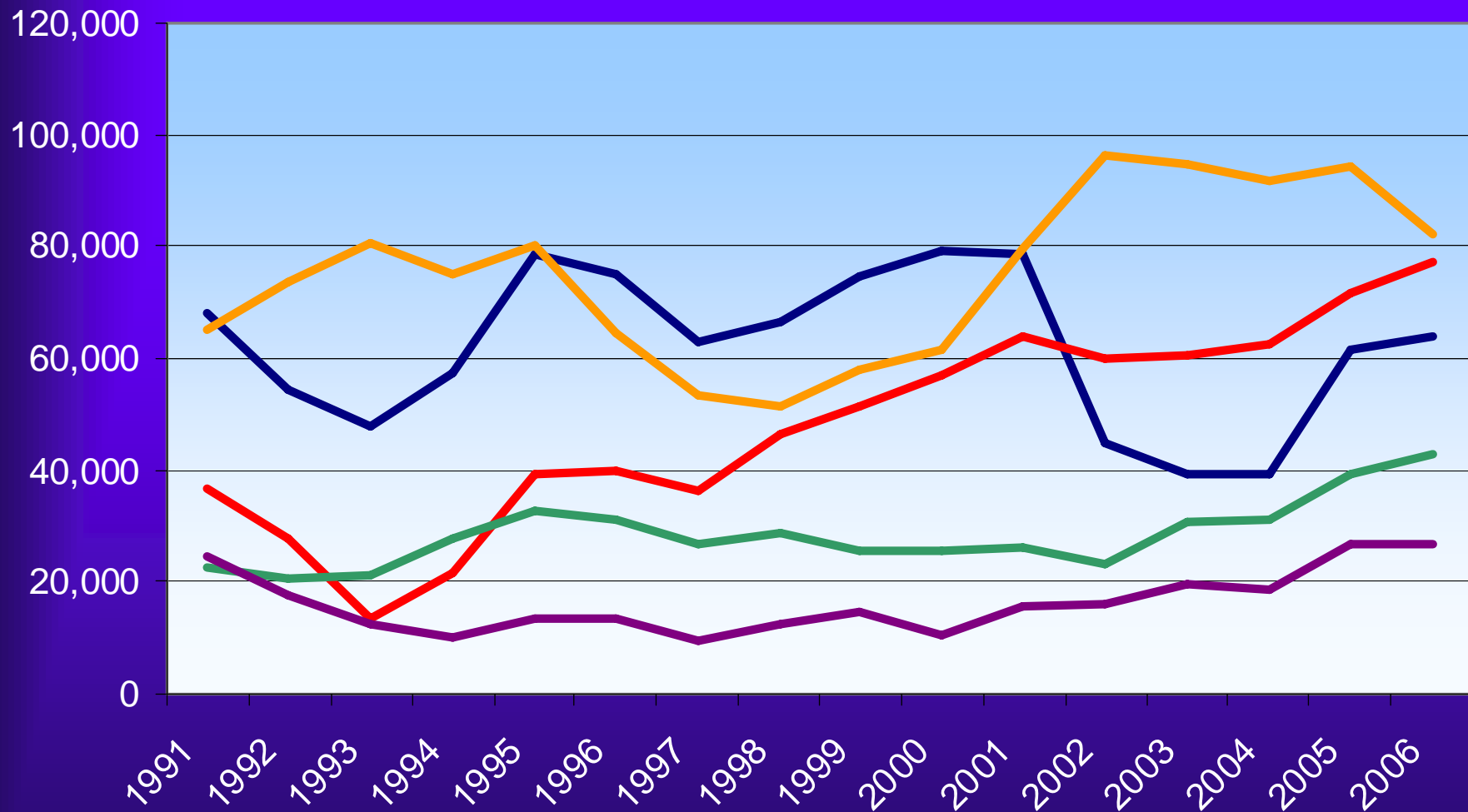
Queensland – grows more than NSW or Victoria

year ending 30th December



Australia's Largest Growing State

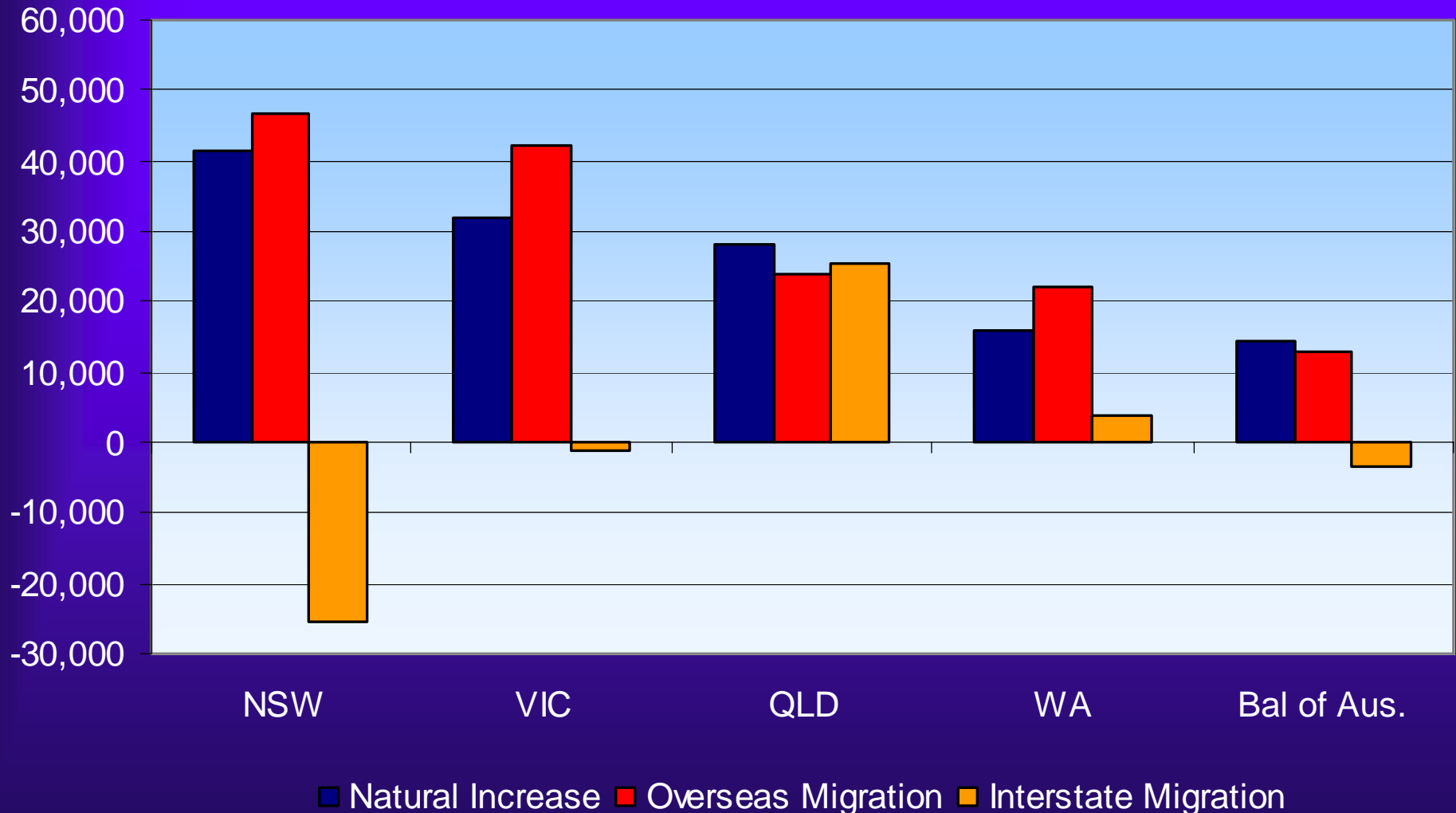
Year ending 30th December



— New South Wales — Victoria — Queensland — Western Australia — Bal. of Aus

What is driving Queensland's growth?

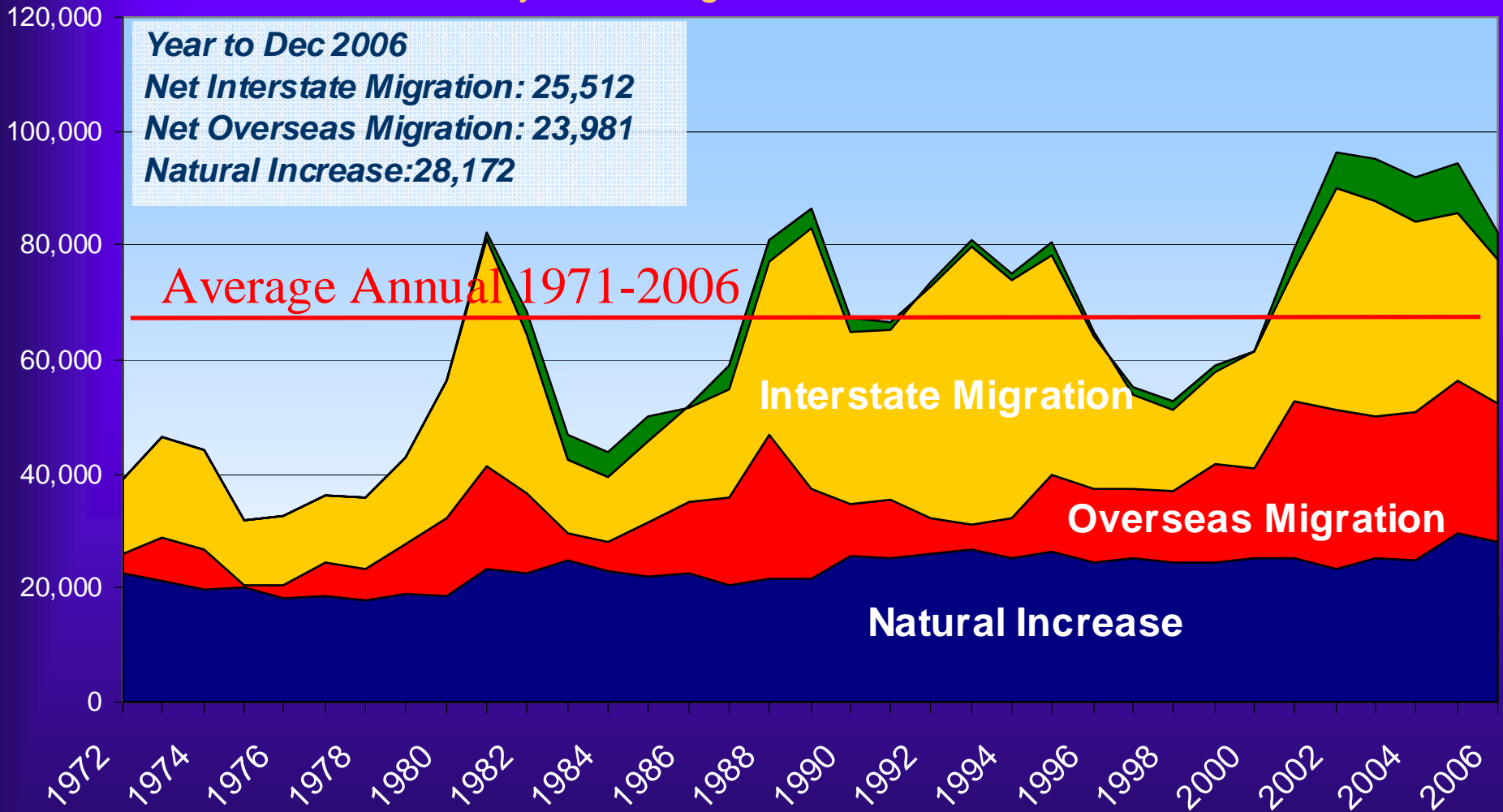
Year ending 30th December 2006



■ Natural Increase ■ Overseas Migration ■ Interstate Migration

Components of population change

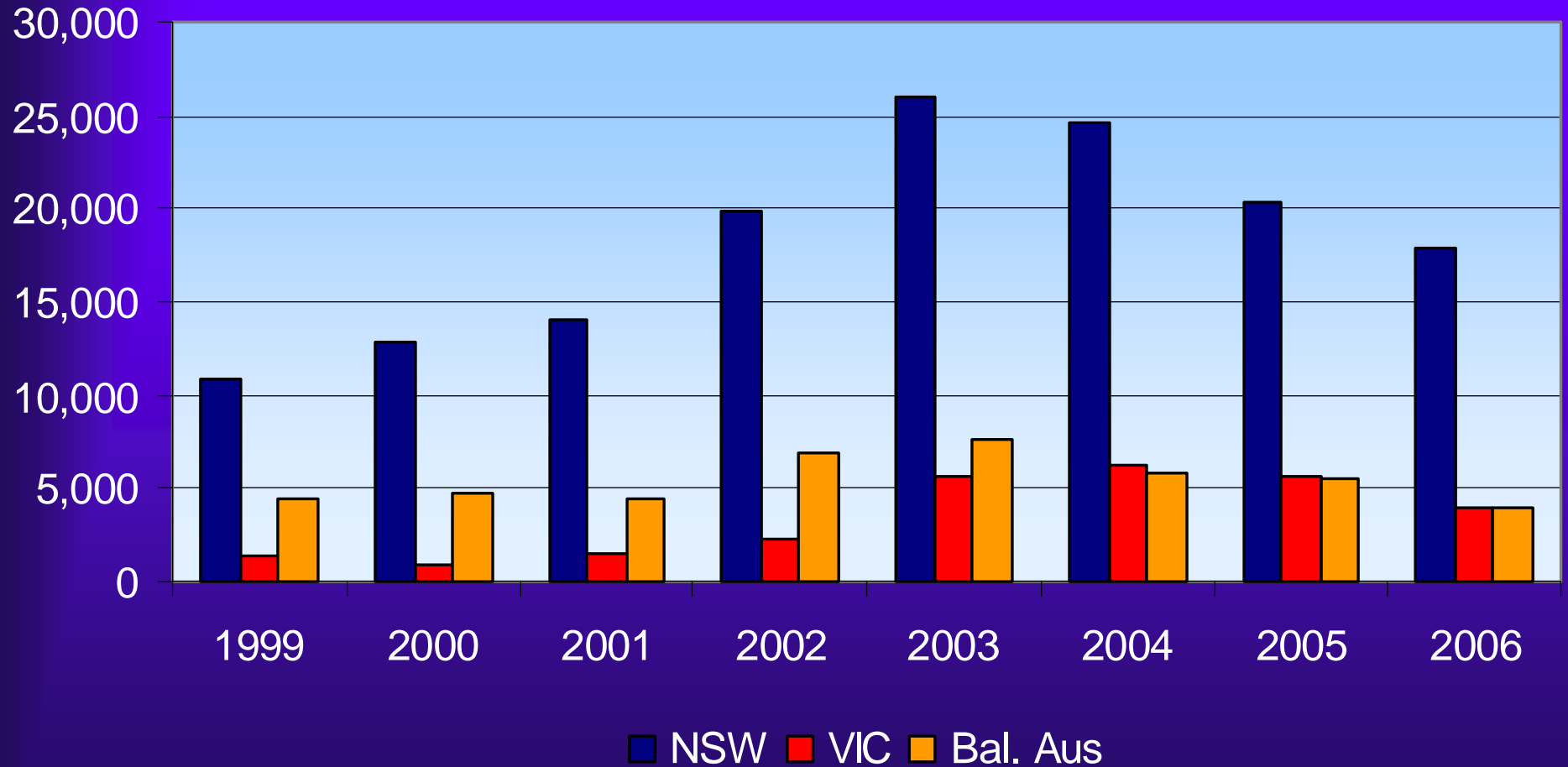
year ending 30th December



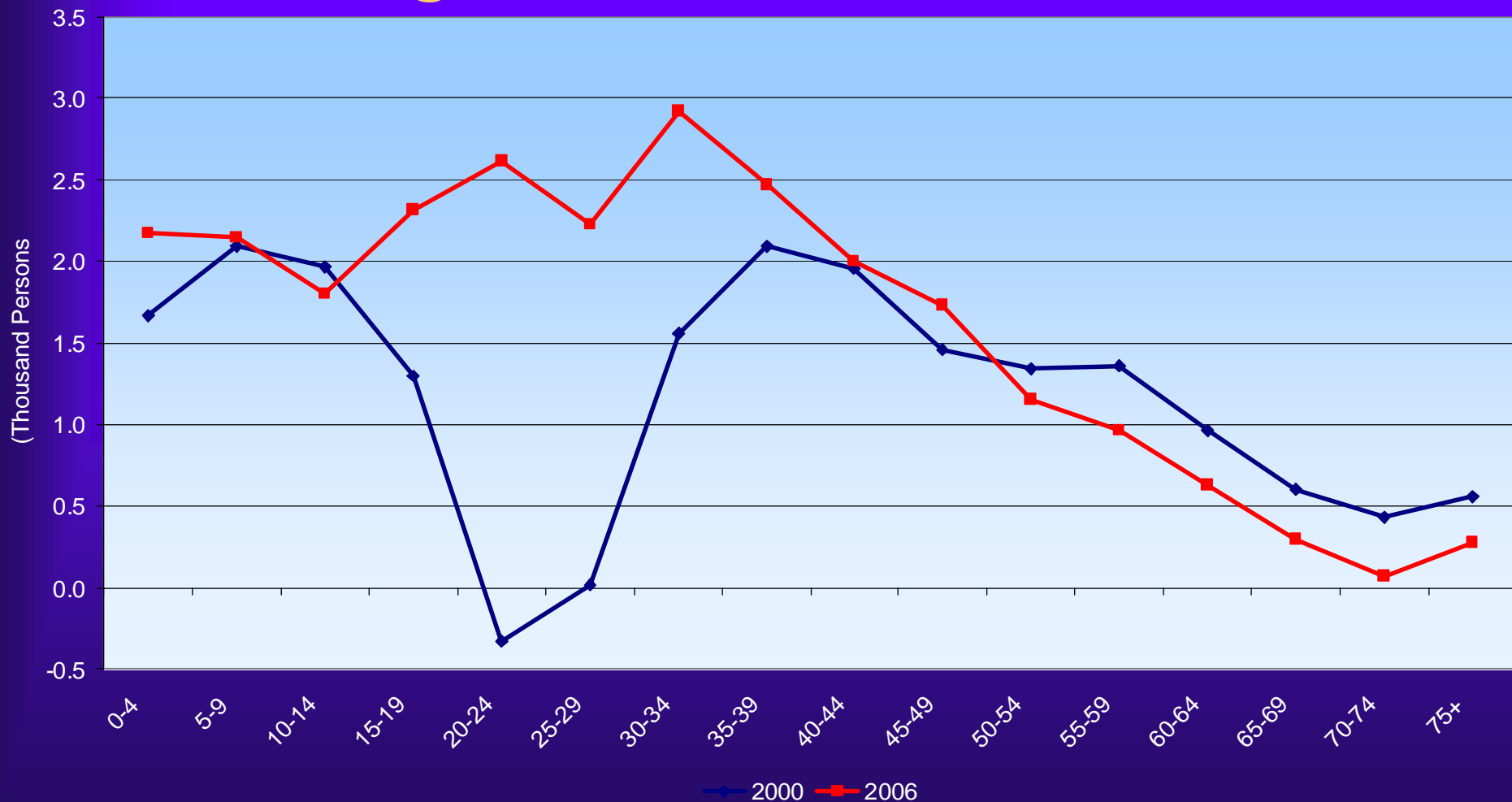
■ Natural Increase ■ Net Overseas Migration ■ Net Interstate Migration ■ Intercensal Discrepancy

Net interstate migration gains to Queensland, 1998-2006

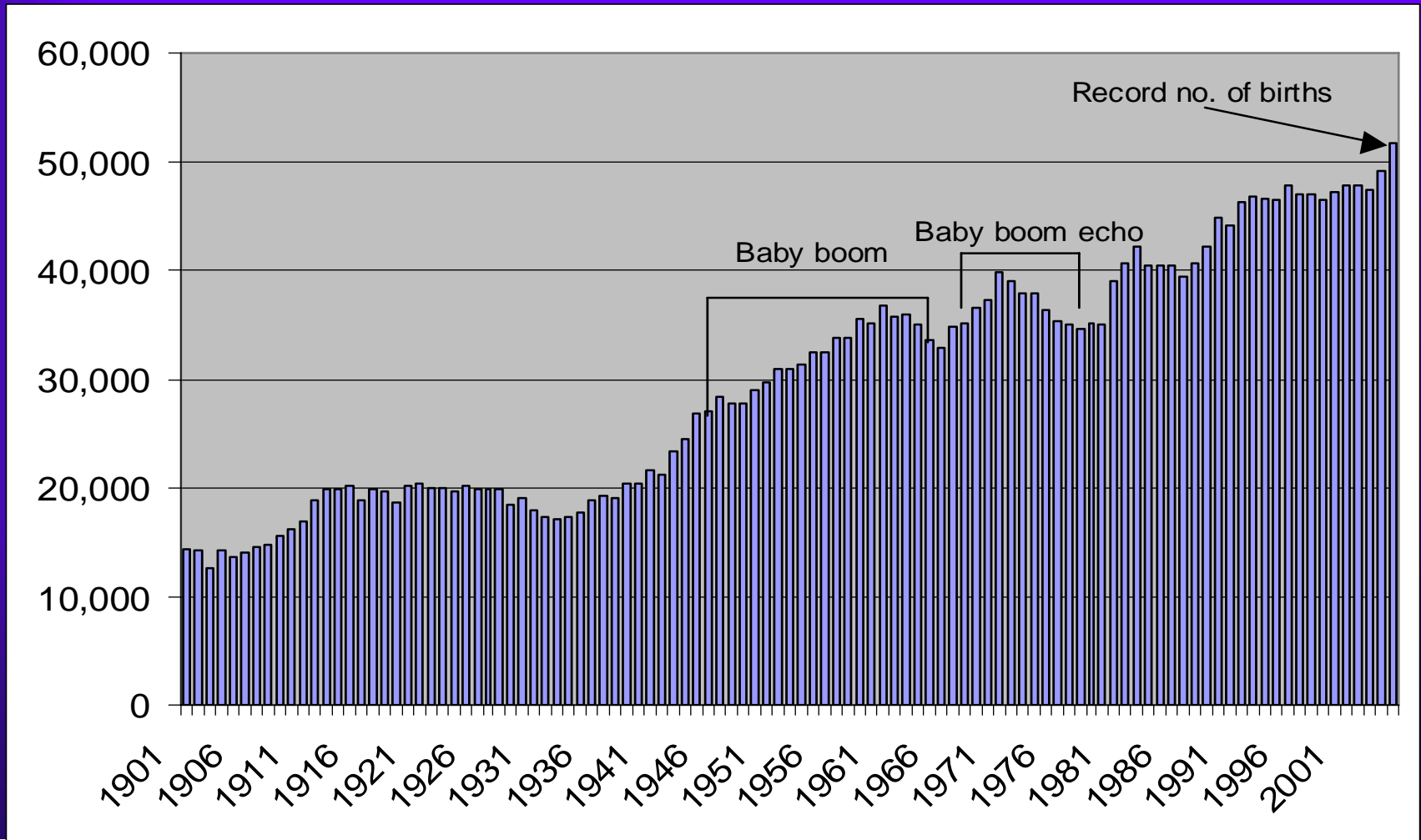
year ending 30 June



Age profile of net interstate migration, Queensland



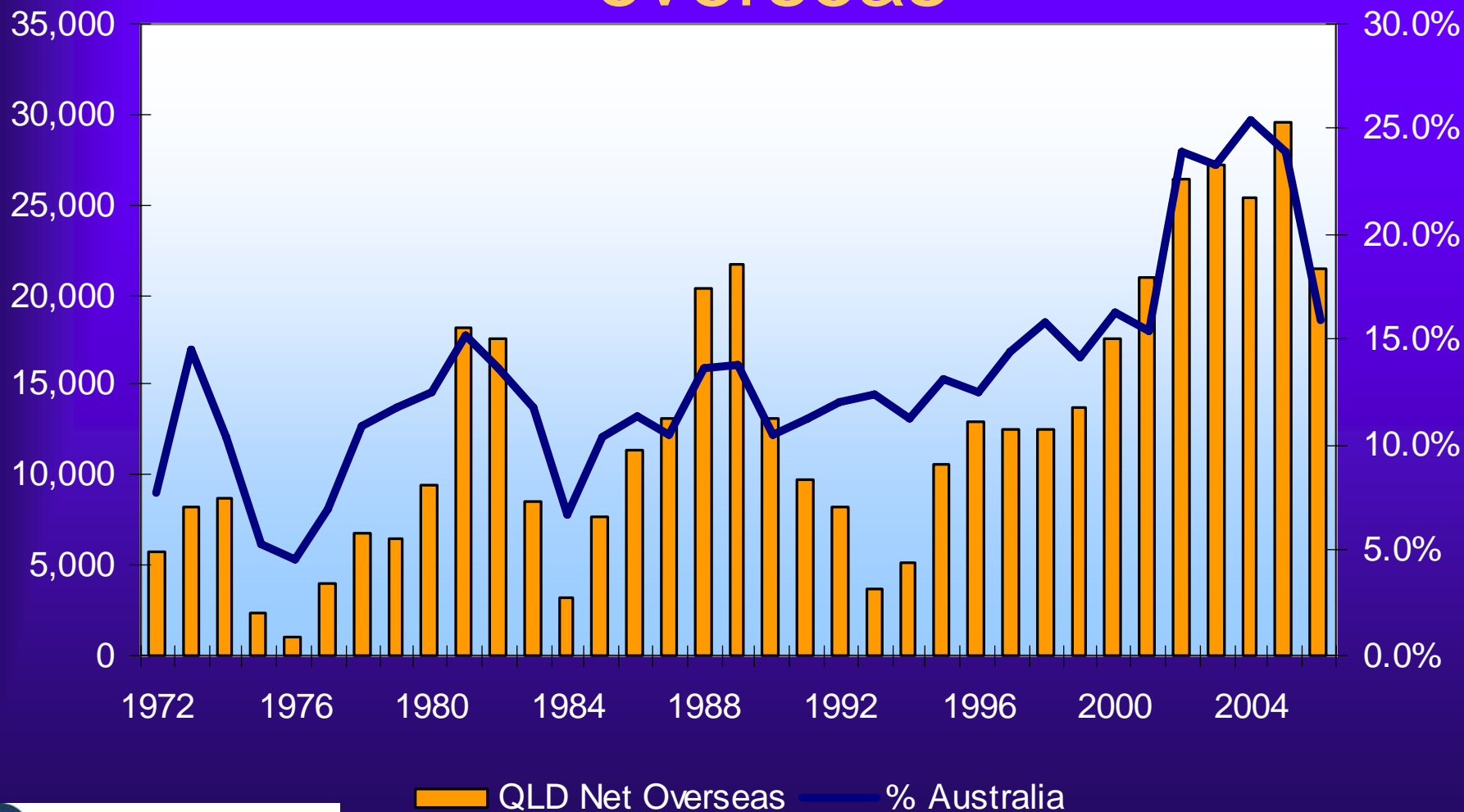
Queensland births



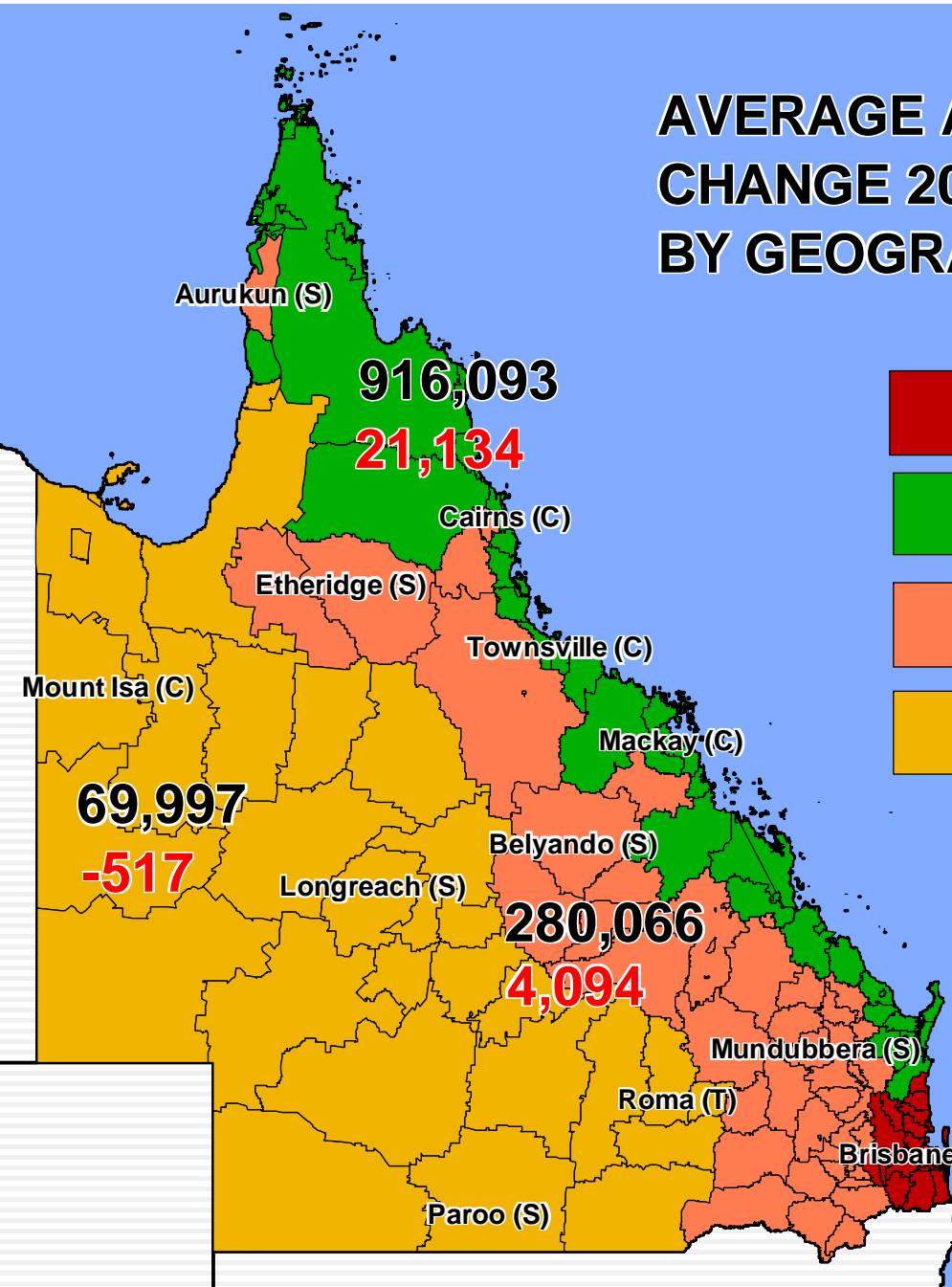
It's all my hard work...







Queensland has been getting about 330 people each week from overseas



AVERAGE ANNUAL POPULATION CHANGE 2001-2006(p*), QUEENSLAND BY GEOGRAPHIC REGION

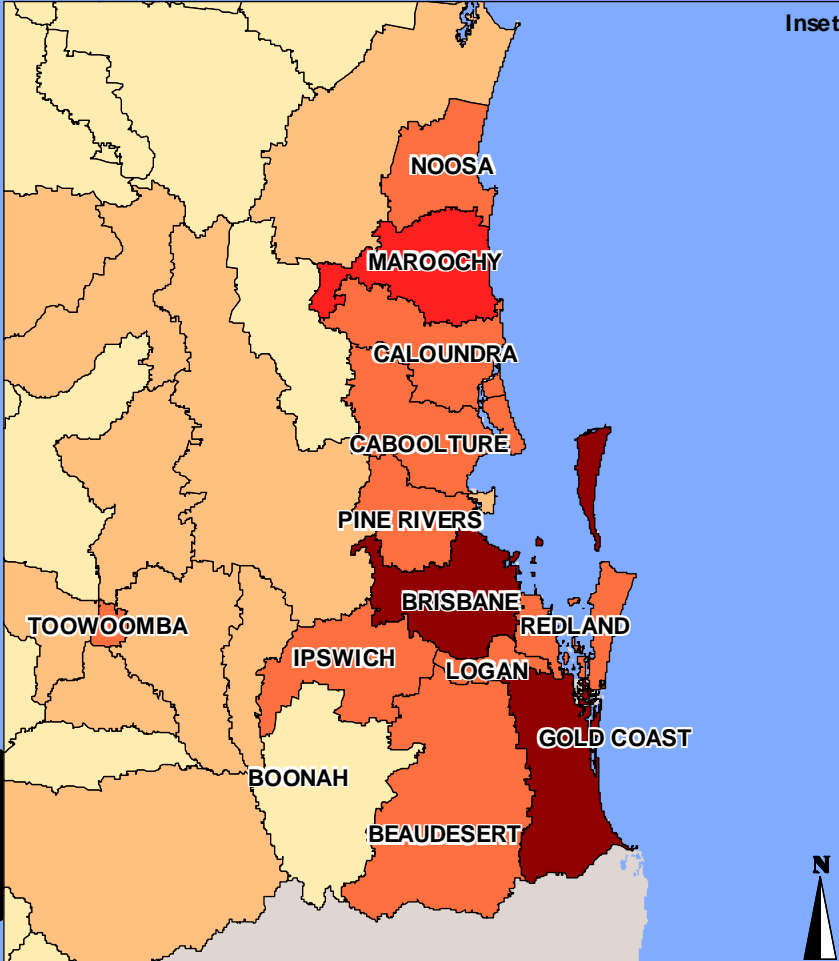
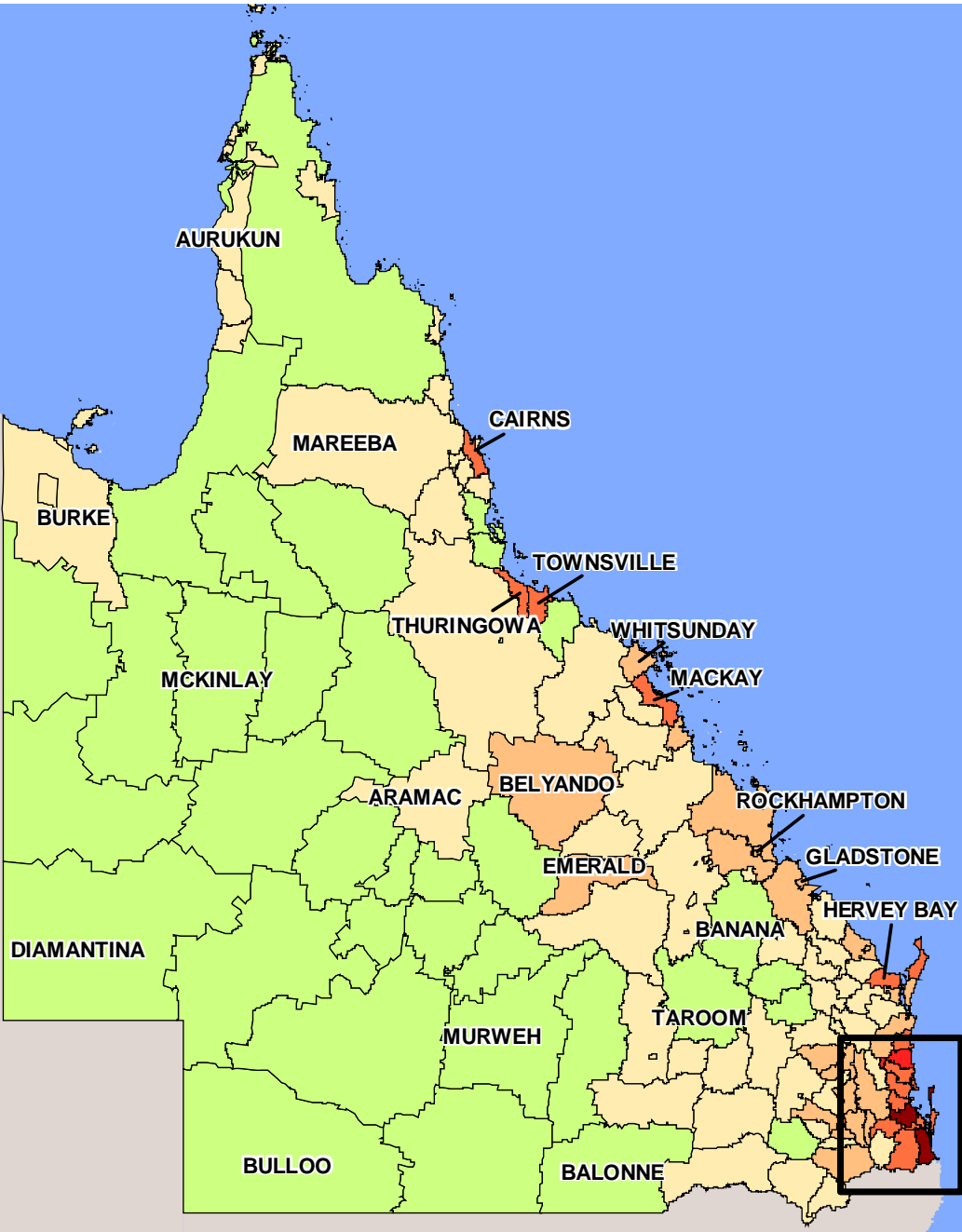


	South East (18 LGAs)
	East Coast (60 LGAs)
	Inland (49 LGAs)
	Western (31 LGAs)
Queensland:	
4,068,679	ERP 2006
92,290	Average Annual Change

(p*) Preliminary Estimate
Rebased of Census data

Average Annual Populatin Change
2001-2006 Local Government Areas

- Extreme Growth: 10,000 to 19,200
- Large Growth: 5,000 to 10,000
- Strong Growth: 1,000 to 5,000
- Moderate Growth: 200 to 1,000
- Small Growth: 0 to 200
- Decrease: -200 to 0



10 fastest growing LGAs in Queensland

Average annual growth, 2001-2006

Rank	LGA	2006	2001-2006	
		No.	No.	%
1	Weipa (T)	3,029	171	6.9
2	Crow's Nest (S)	13,311	610	5.3
3	Nebo (S)	2,682	118	5.1
4	Hervey Bay (C)	55,113	2,363	4.9
5	Caloundra (C)	93,248	3,408	4.1
6	Cambooya (S)	6,154	214	3.9
7	Miriam Vale (S)	5,408	185	3.8
8	Maroochy (S)	152,664	5,092	3.7
9	Beaudesert (S)	64,777	2,160	3.7
10	Gold Coast (C)	507,439	16,744	3.7



10 largest growth LGAs in Queensland

Average annual growth, 2001-2006

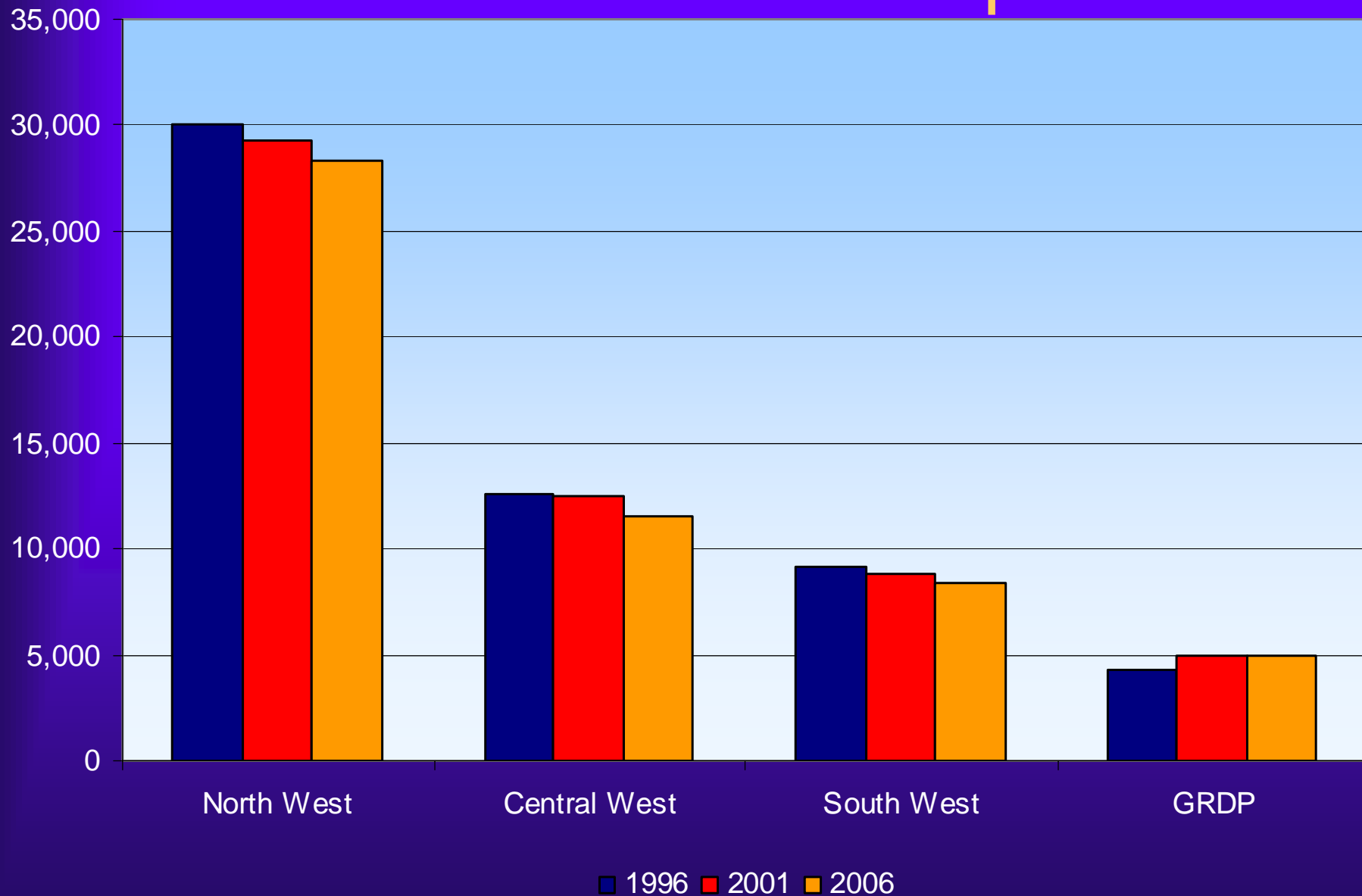
Rank	LGA	2001-2006	
		No.	%
1	Brisbane (C)	19,501	2.0
2	Gold Coast (C)	16,744	3.7
3	Maroochy (S)	5,092	3.7
4	Pine Rivers (S)	4,511	3.4
5	Caboolture (S)	4,240	3.5
6	Cairns (C)	3,786	3.0
7	Caloundra (C)	3,480	4.1
8	Ipswich (C)	3,397	2.5
9	Mackay (C)	2,862	3.5
10	Redland (S)	2,816	2.3

10 largest growth LGAs in QLD (excl. SE QLD)

Average annual growth, 2001-2006

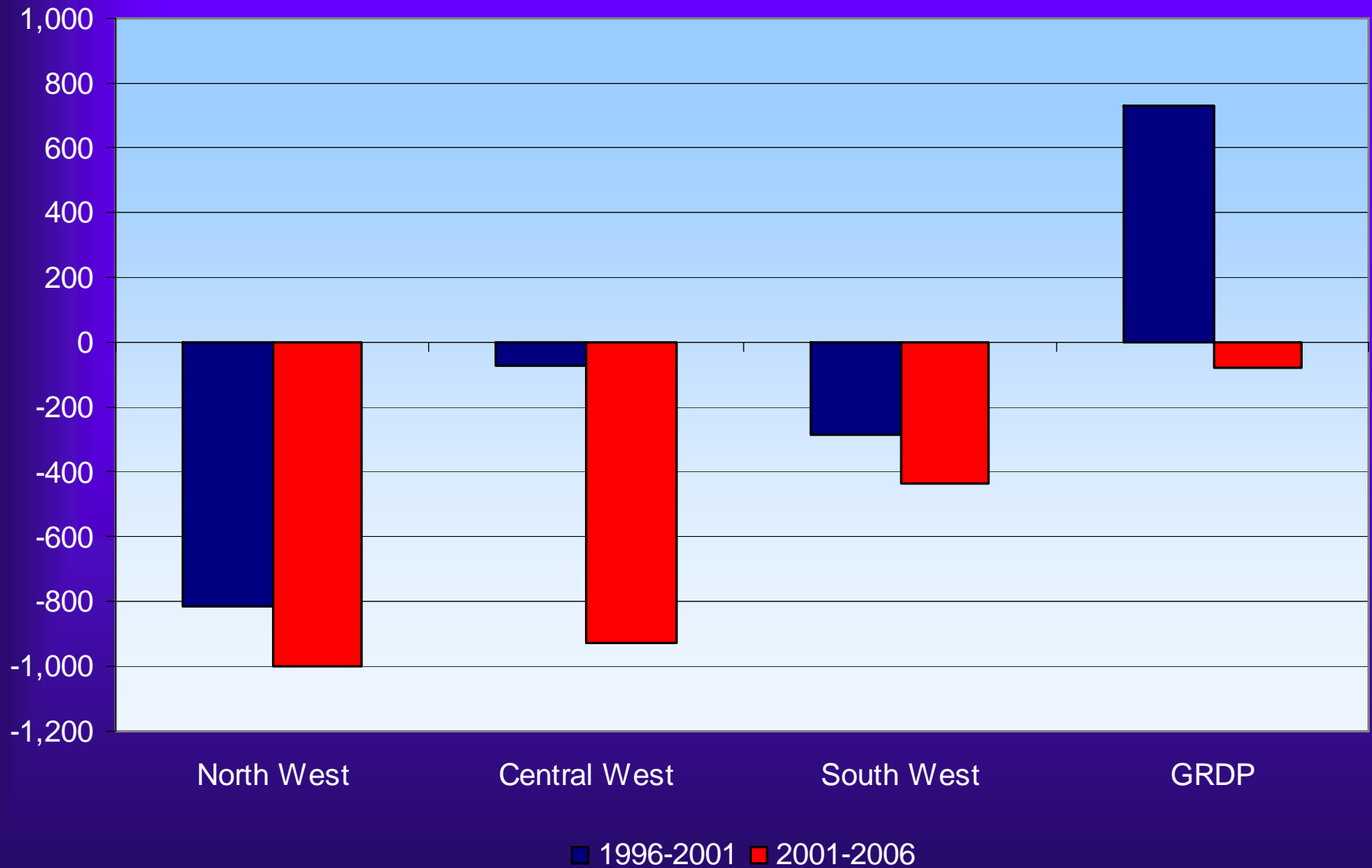
Rank	LGA	2001-2006	
		No.	%
1	Cairns (C)	3,786	3.0
2	Mackay (C)	2,862	3.5
3	Hervey Bay (C)	2,363	4.9
4	Thuringowa (C)	2,044	3.6
5	Townsville (C)	1,982	2.1
6	Cooloola (S)	908	2.6
7	Livingstone (S)	854	3.0
8	Gladstone (C)	839	2.9
9	Bundaberg (C)	795	1.7
10	Burnett (S)	771	3.0

Estimated Resident Population



■ 1996 ■ 2001 ■ 2006

Population Change



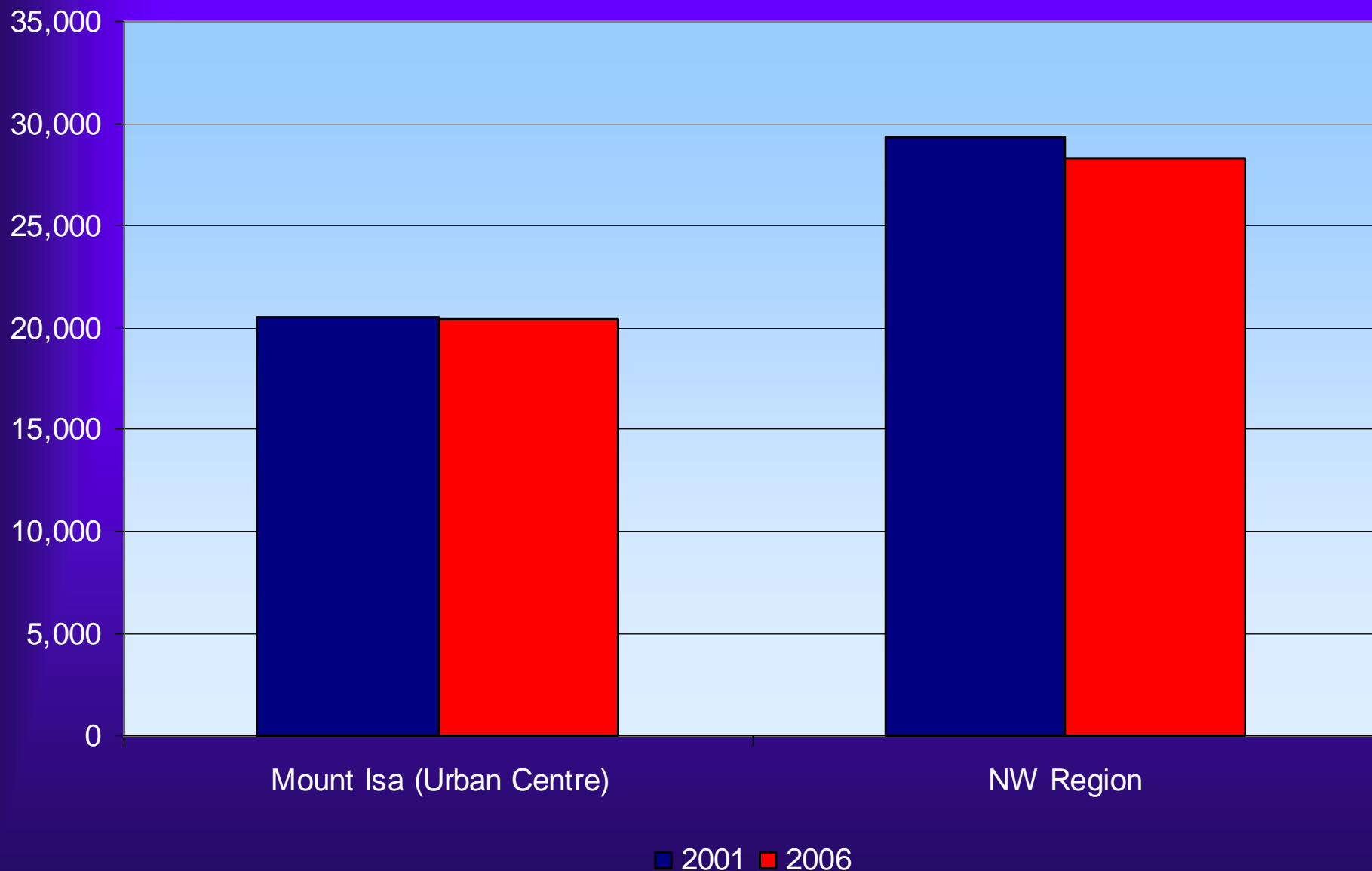
■ 1996-2001 ■ 2001-2006

Population Change in NW Region

LGA	1991 ERP	1996 ERP	2001 ERP	2006(pc) ERP	Change 2001- 2006
Mount Isa (C)	24,507	22,386	21,149	21,082	-67
Cloncurry (S)	3,135	3,193	3,827	3,362	-465
McKinlay (S)	1,219	1,157	1,066	968	-98
Richmond (S)	1,204	1,129	1,150	962	-188
Flinders (S)	2,666	2,234	2,090	1,907	-183
NW Region	32,731	30,099	29,282	28,281	-1001



Urban Centres and Localities

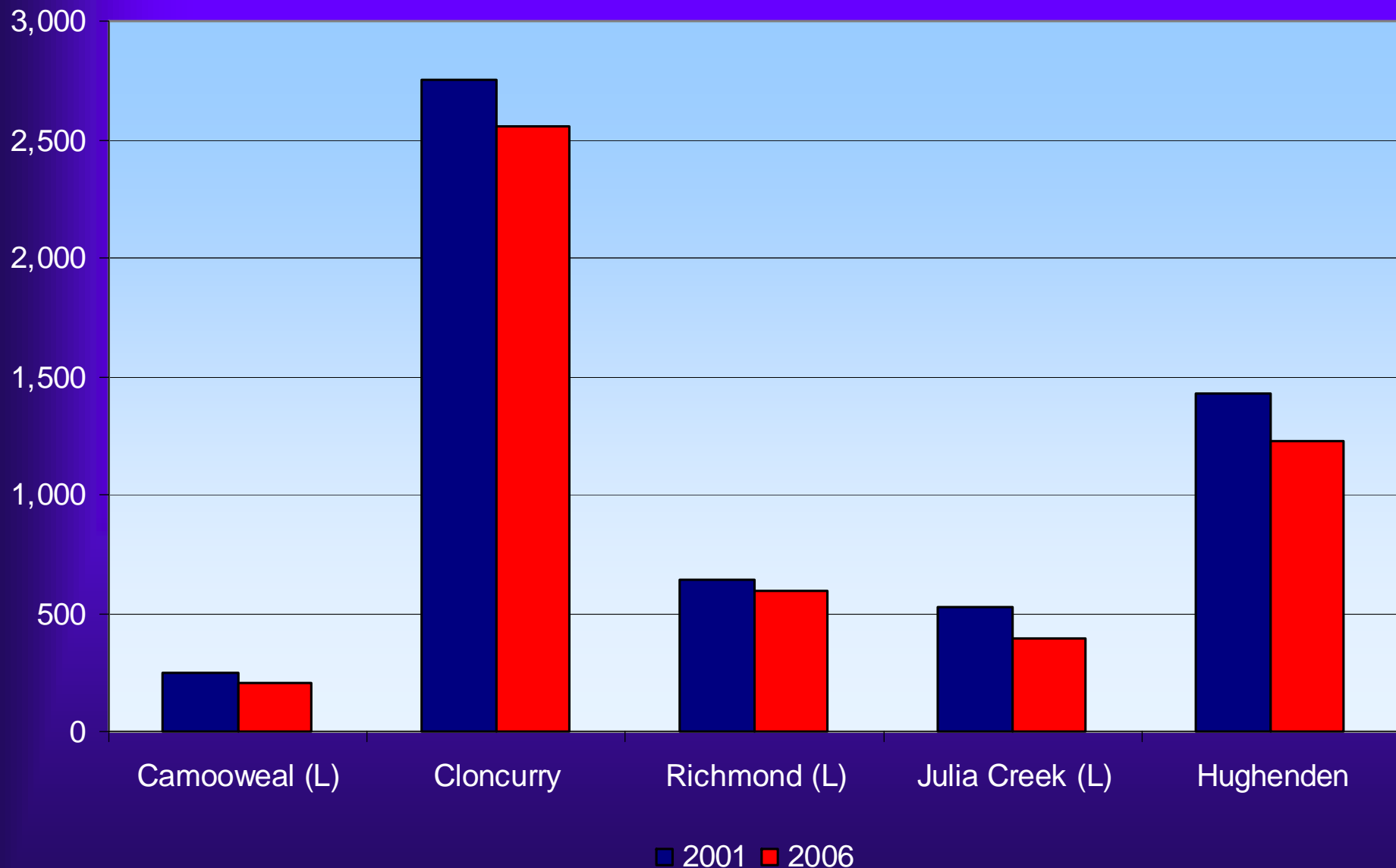


Mount Isa (Urban Centre)

NW Region

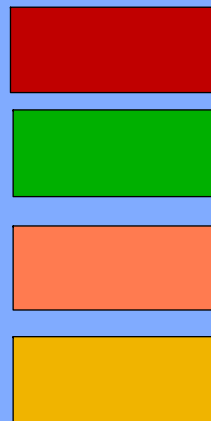
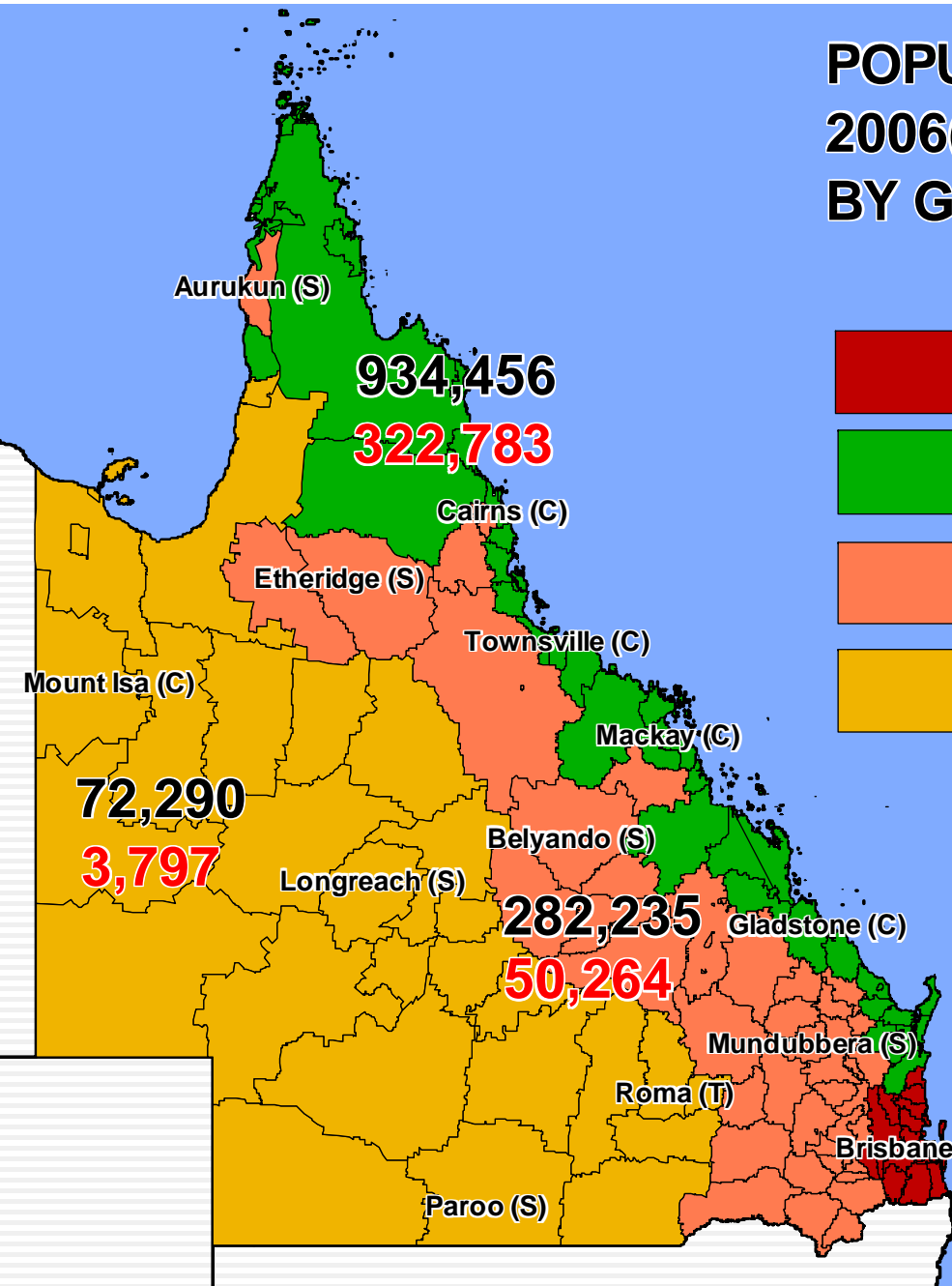
2001 2006

Urban Centres and Localities



Population projections

POPULATION CHANGE 2006(pc)-2026, QUEENSLAND BY GEOGRAPHIC REGION



South East (18 LGAs)

East Coast (60 LGAs)

Inland (49 LGAs)

Western (31 LGAs)

4,091,504 ERP 2006

**1,533,803 Population Change,
2006-2026**

2,802,523

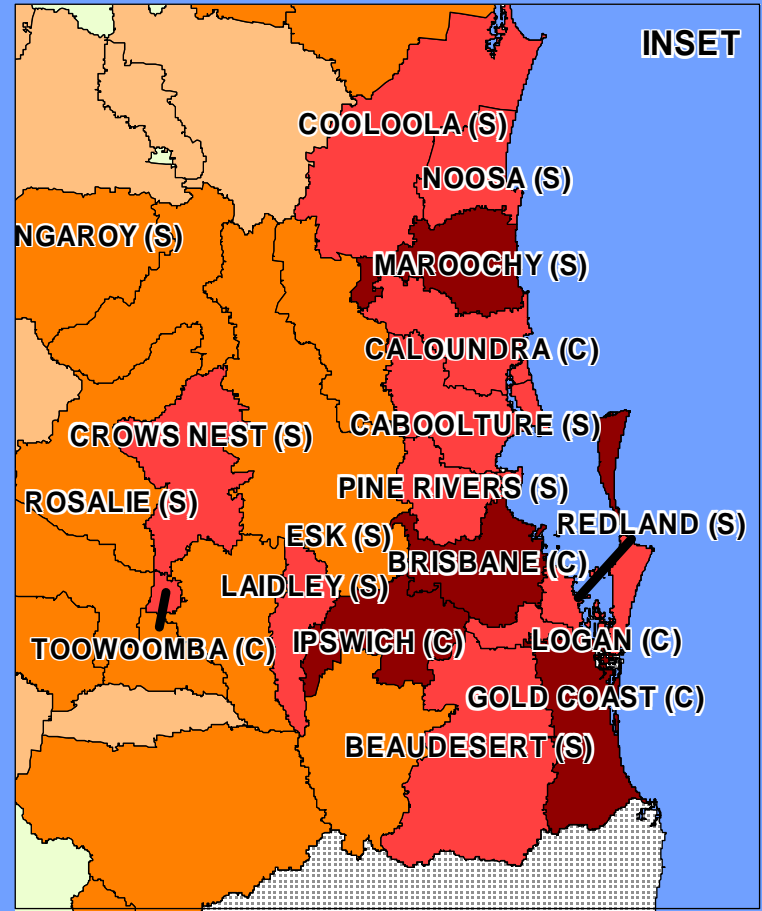
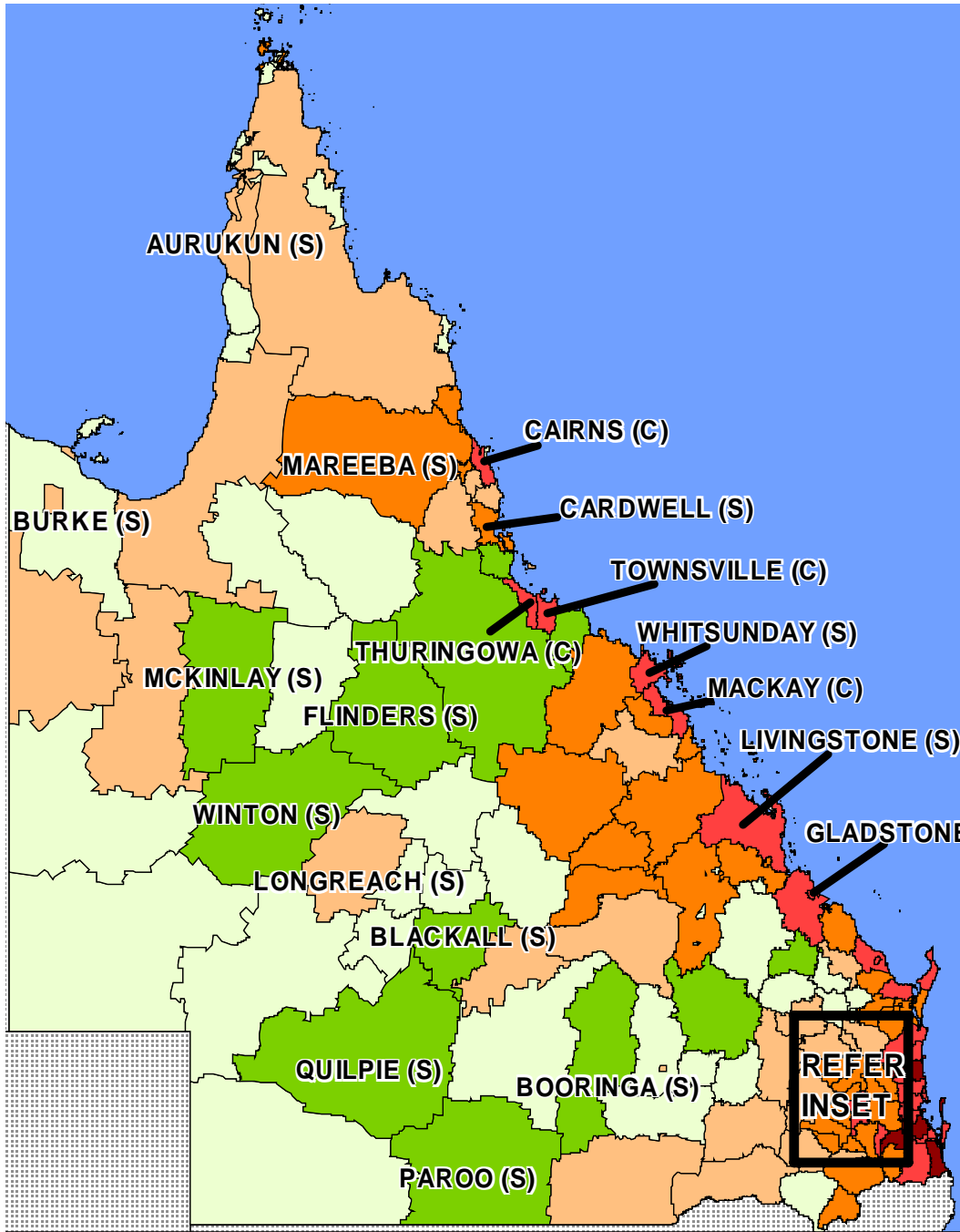
1,156,958

(pc) Post-Census Estimate

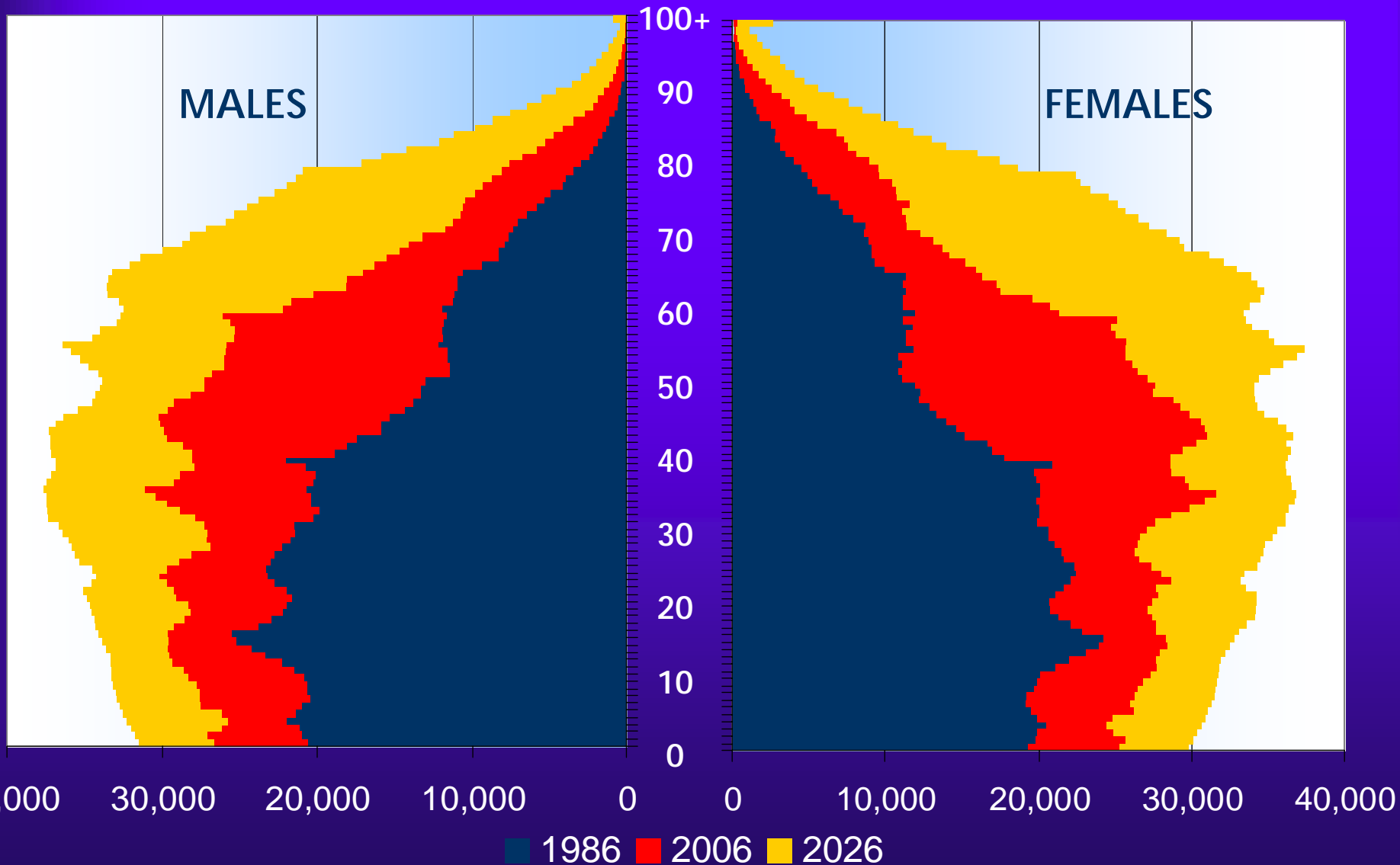
Population Change 2001-2026

Very Large Increase: Greater than 100,000 persons	(4)
Large Increase: 10,000 to 100,000 persons	(23)
Moderate Increase: 1,000 to 10,000 persons	(34)
Small Increase: 100-1,000 persons	(28)
Stable: -100 to 100 persons	(56)
Small Decrease: -100 to -1,000 persons	(13)

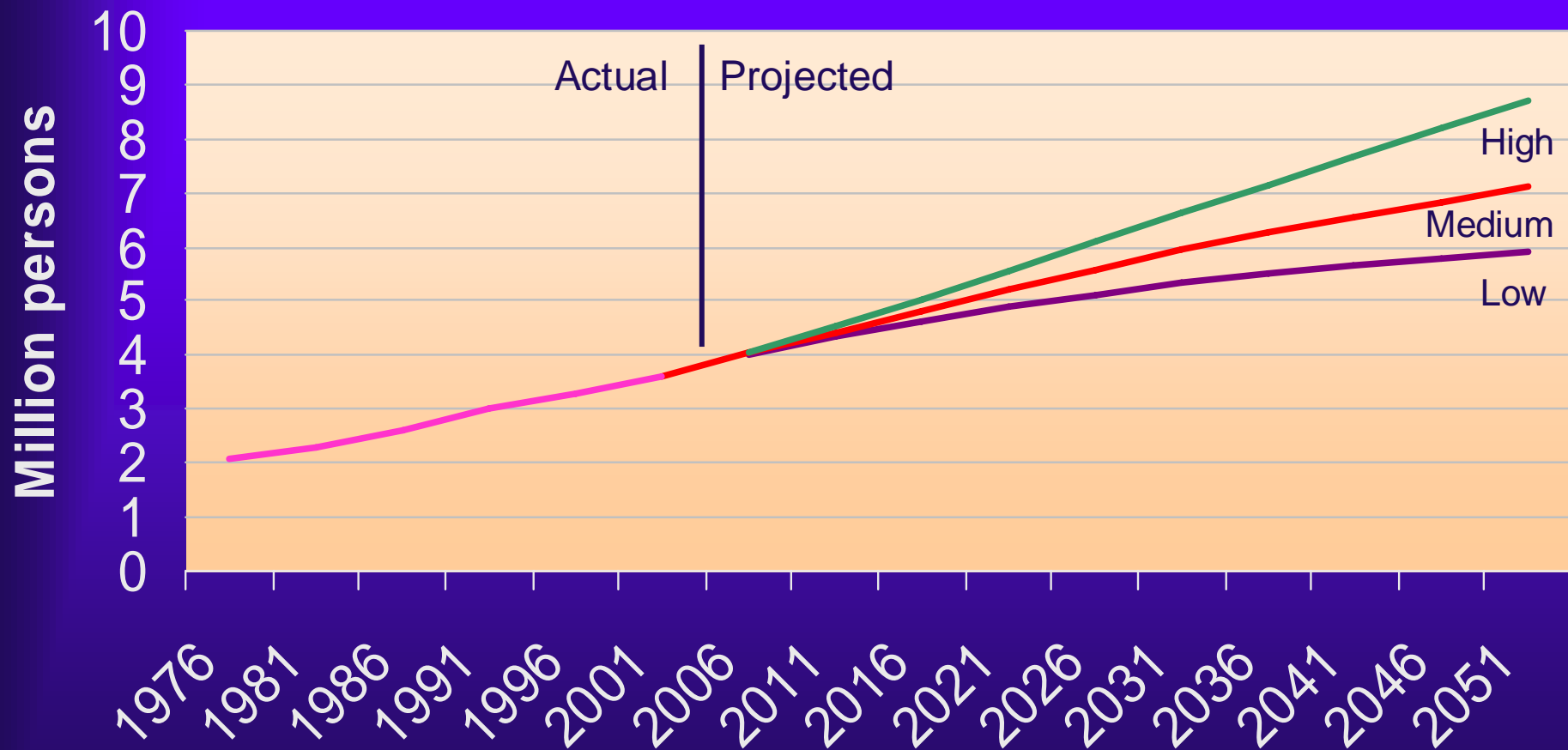
Source: Queensland Government Projections
Medium Series, 2006 Edition



Queensland age by sex, 1986, 2006, 2026



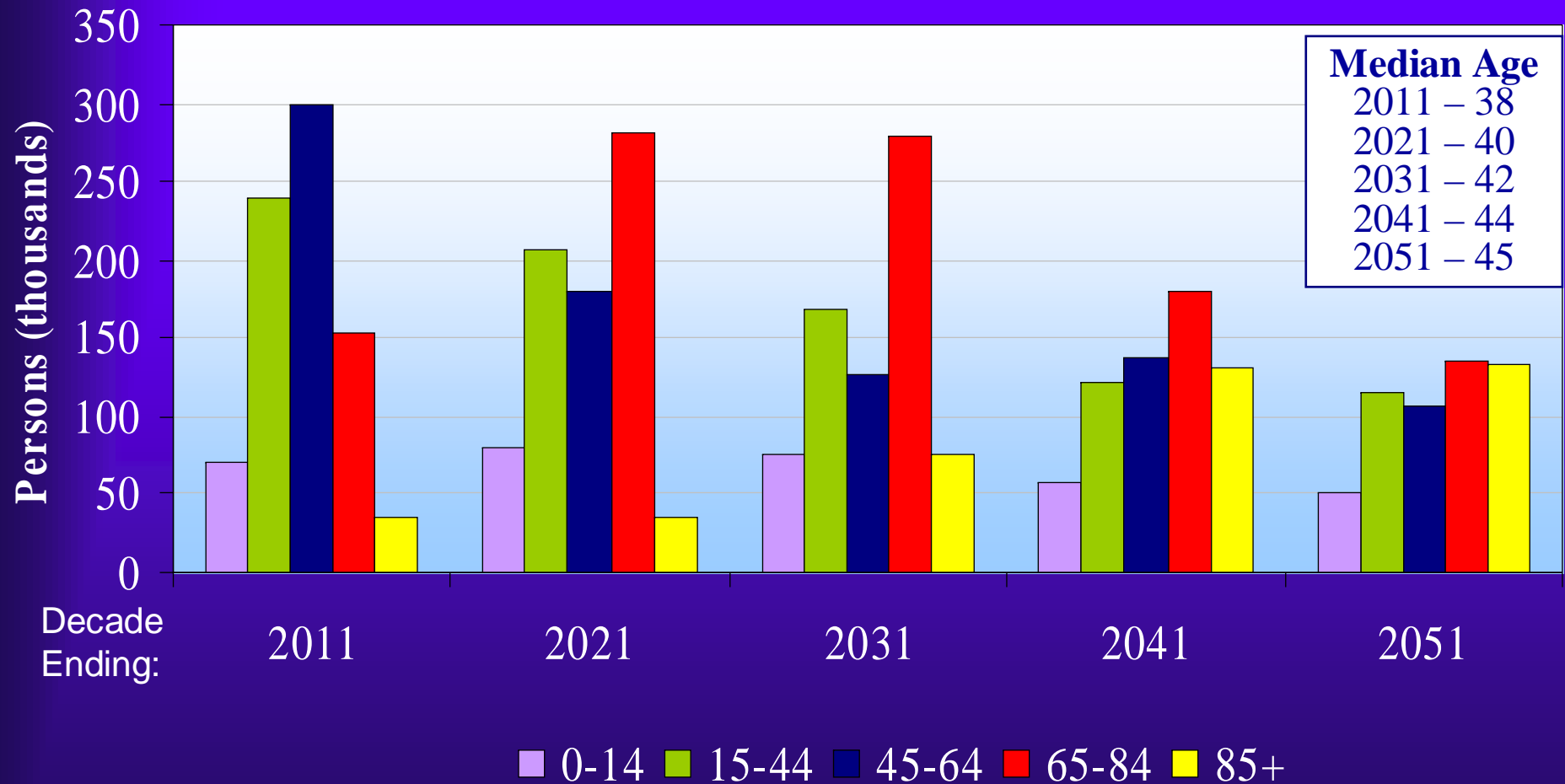
Actual & projected population, Queensland, 1976 to 2051



Sources: ABS Cat No 3311.3 & Qld Government Population Projections, 2006 (medium series)

PIFU 2007

Absolute change in broad age groups, Queensland



Source: Queensland Government Population Projections, 2006 (medium series)

Projected Growth in NW Region

LGA	2006	2016		2026	
	No.	No.	Avg Ann Growth (%)	No.	Avg Ann Growth (%)
Mount Isa (C)	21,082	21,693	0.3	22,043	0.2
Cloncurry (S)	3,362	3,951	1.6	4,028	0.2
McKinlay (S)	968	932	-0.4	866	-0.7
Richmond (S)	962	1,136	1.7	1,121	-0.1
Flinders (S)	1,907	1,785	-0.7	1,658	-0.7
NW Region	28,281	29,497	0.4	29,716	0.1

Source: Queensland Government Population Projections, 2006 (medium series)

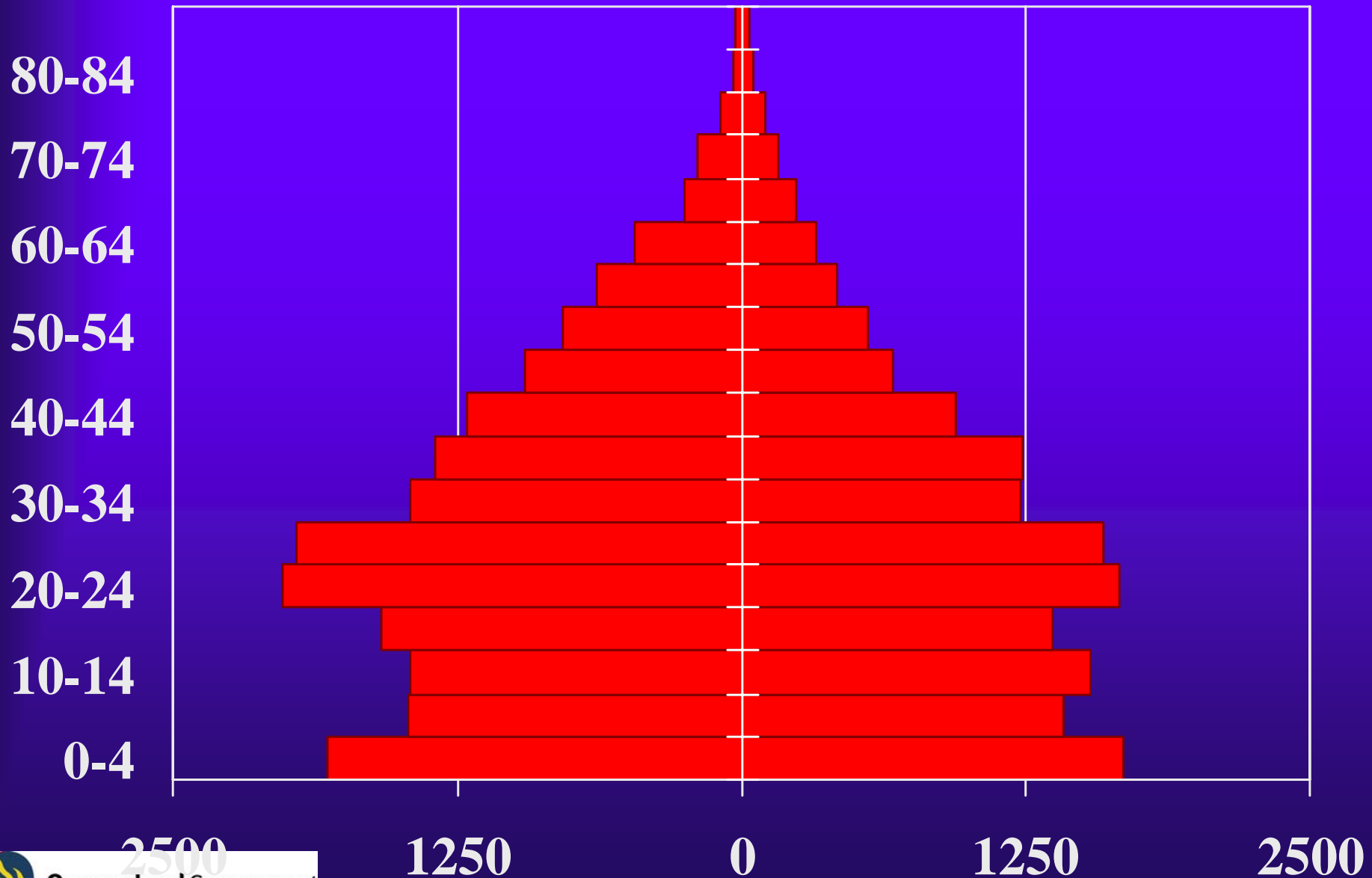
Past and future growth, NW Region

	Actual	Projected	
		Medium	High
1991-1996	-2,632	-	-
1996-2001	-817	-	-
2001-2006	-1,001	-	-
2006-2011	-	1,232	1,964
2011-2016	-	-16	659
2006-2026	-	1,435	4,312

Total growth in each 5 year period

Source: ABS, Regional Statistics, cat. no. 3218.0 and Qld Government, 2006 edition population projections

1986 pyramid for NW Region



2500

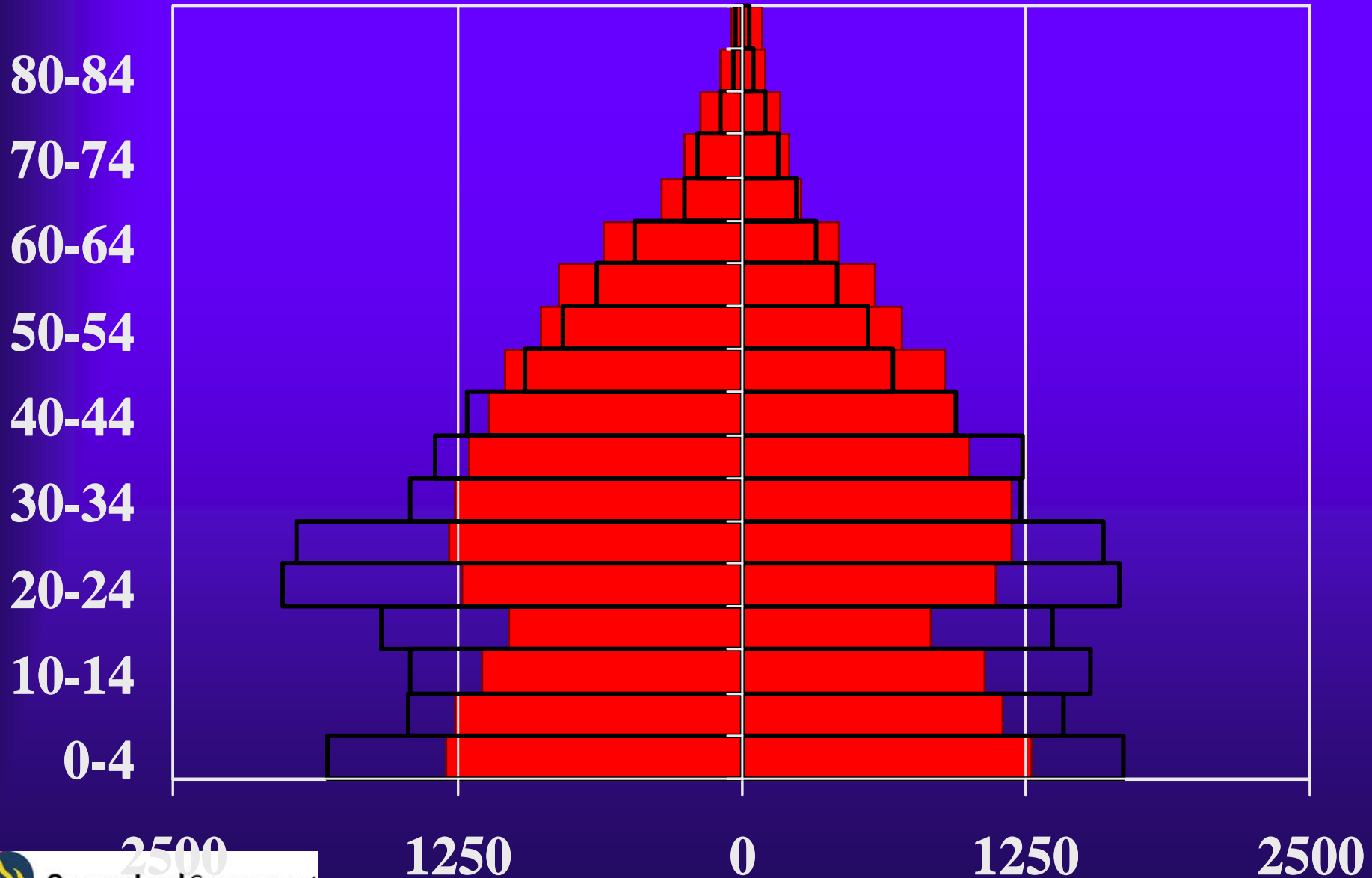
1250

0

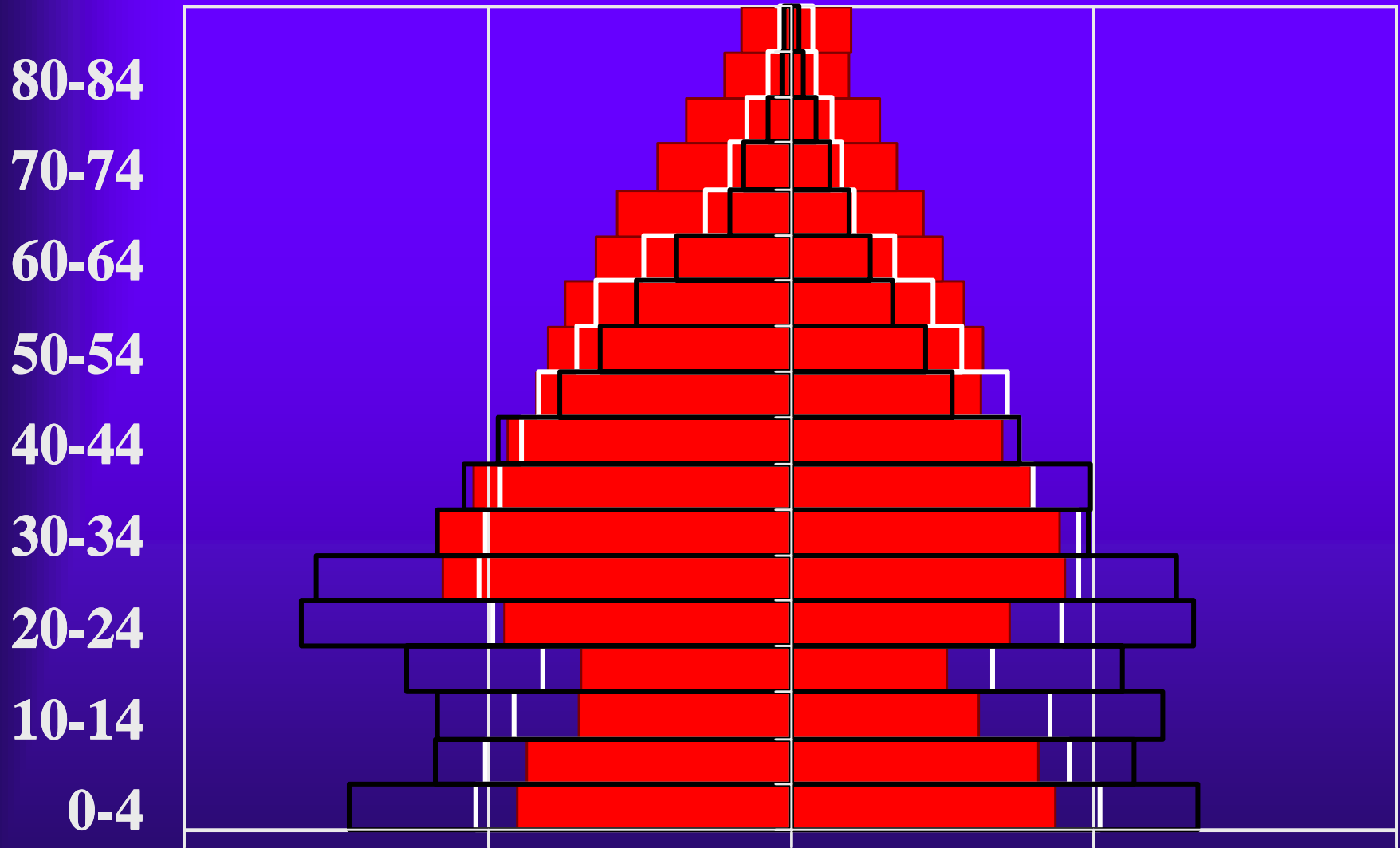
1250

2500

2006 pyramid for NW Region



2026 pyramid for NW Region



2500

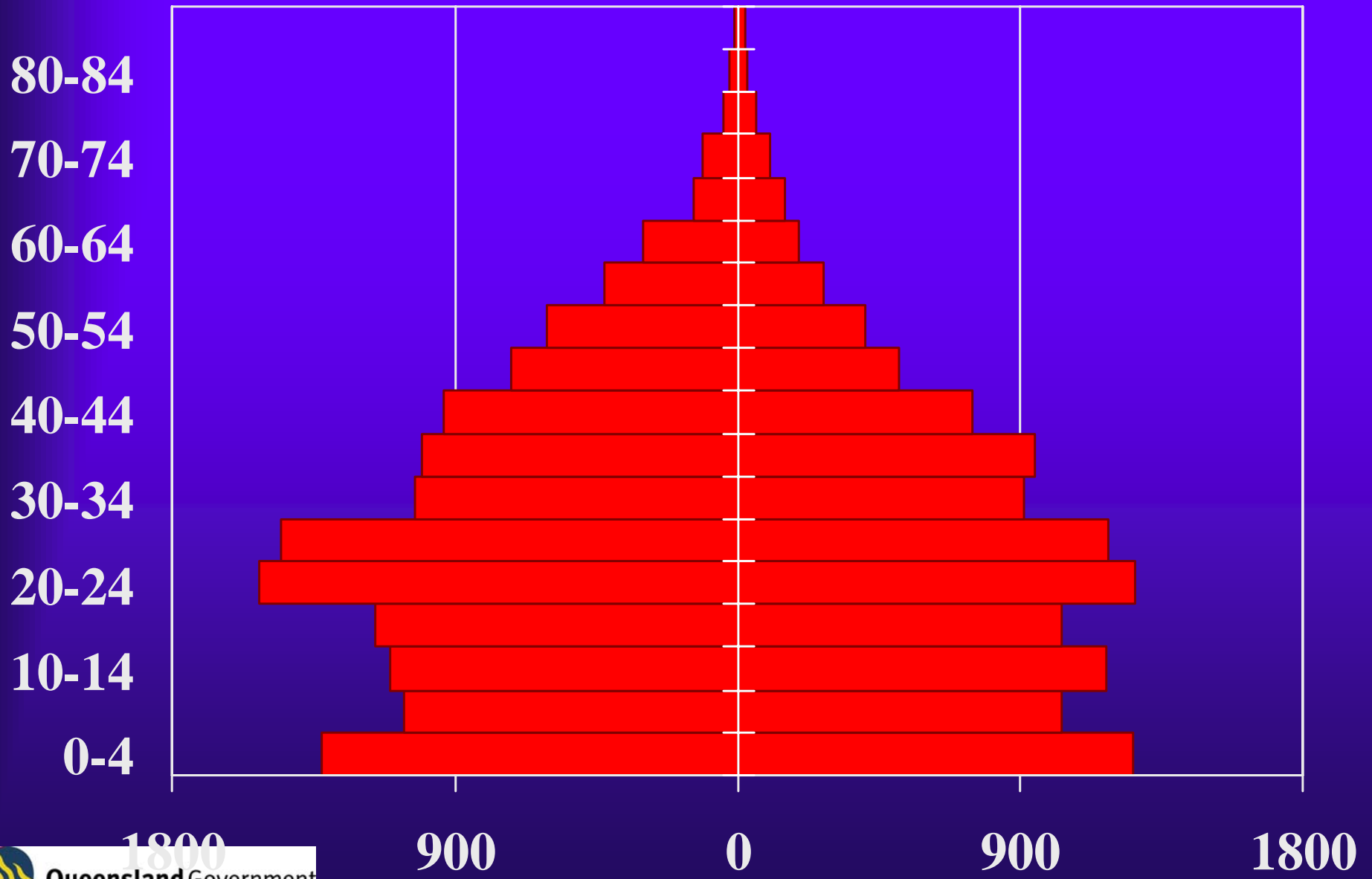
1250

0

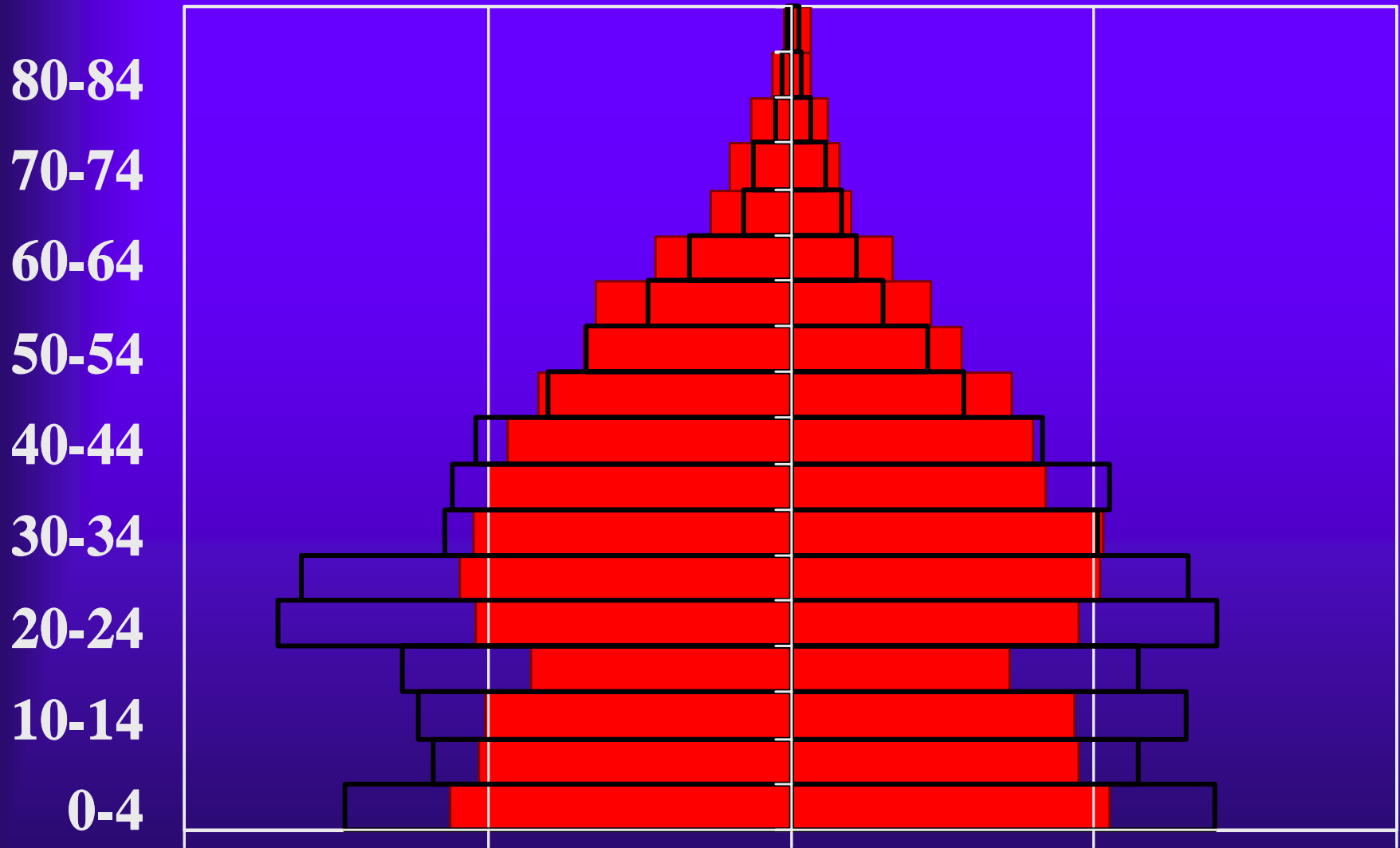
1250

2500

1986 pyramid for Mount Isa (C)



2006 pyramid for Mount Isa (C)



1800

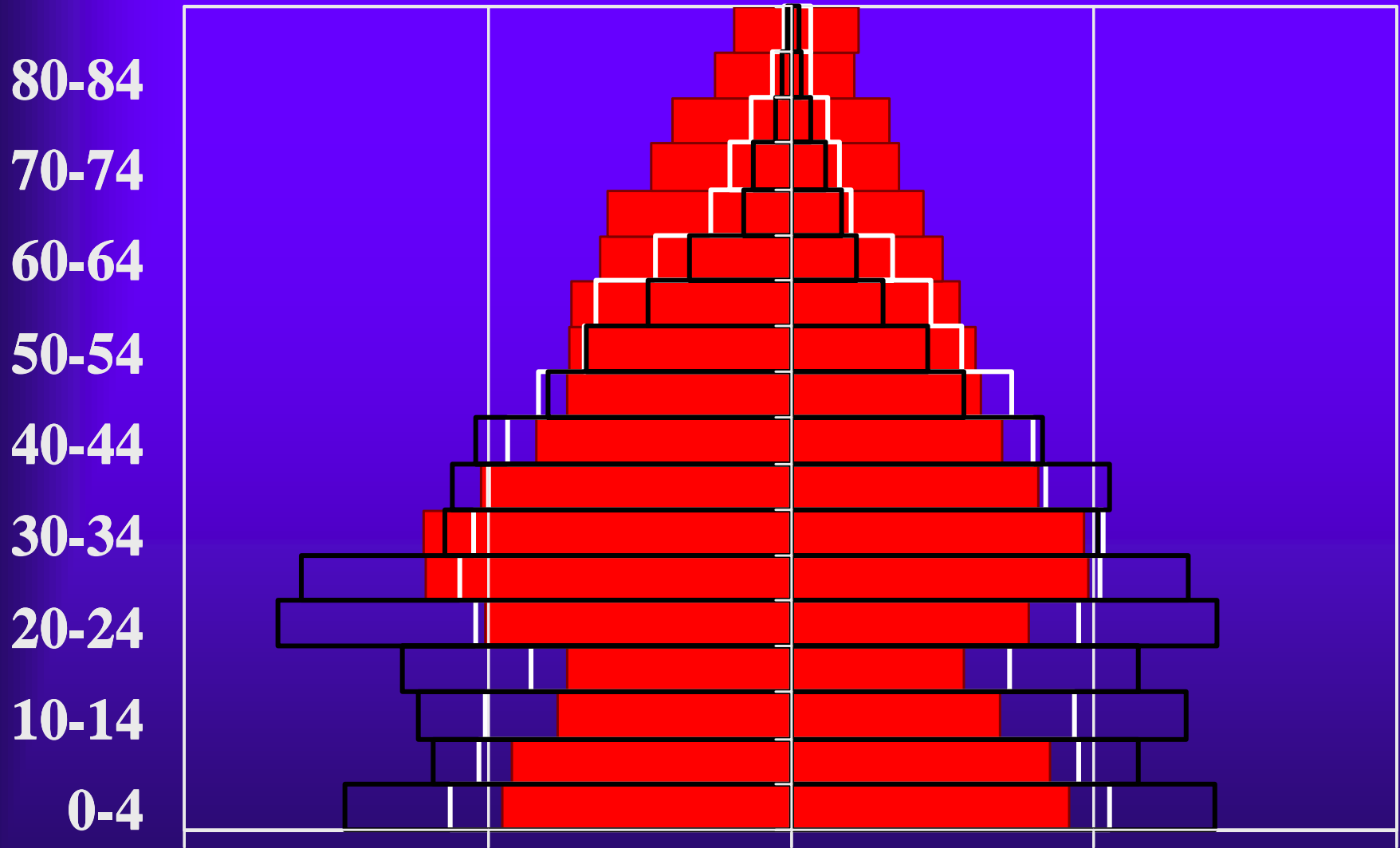
900

0

900

1800

2026 pyramid for Mount Isa (C)



1800

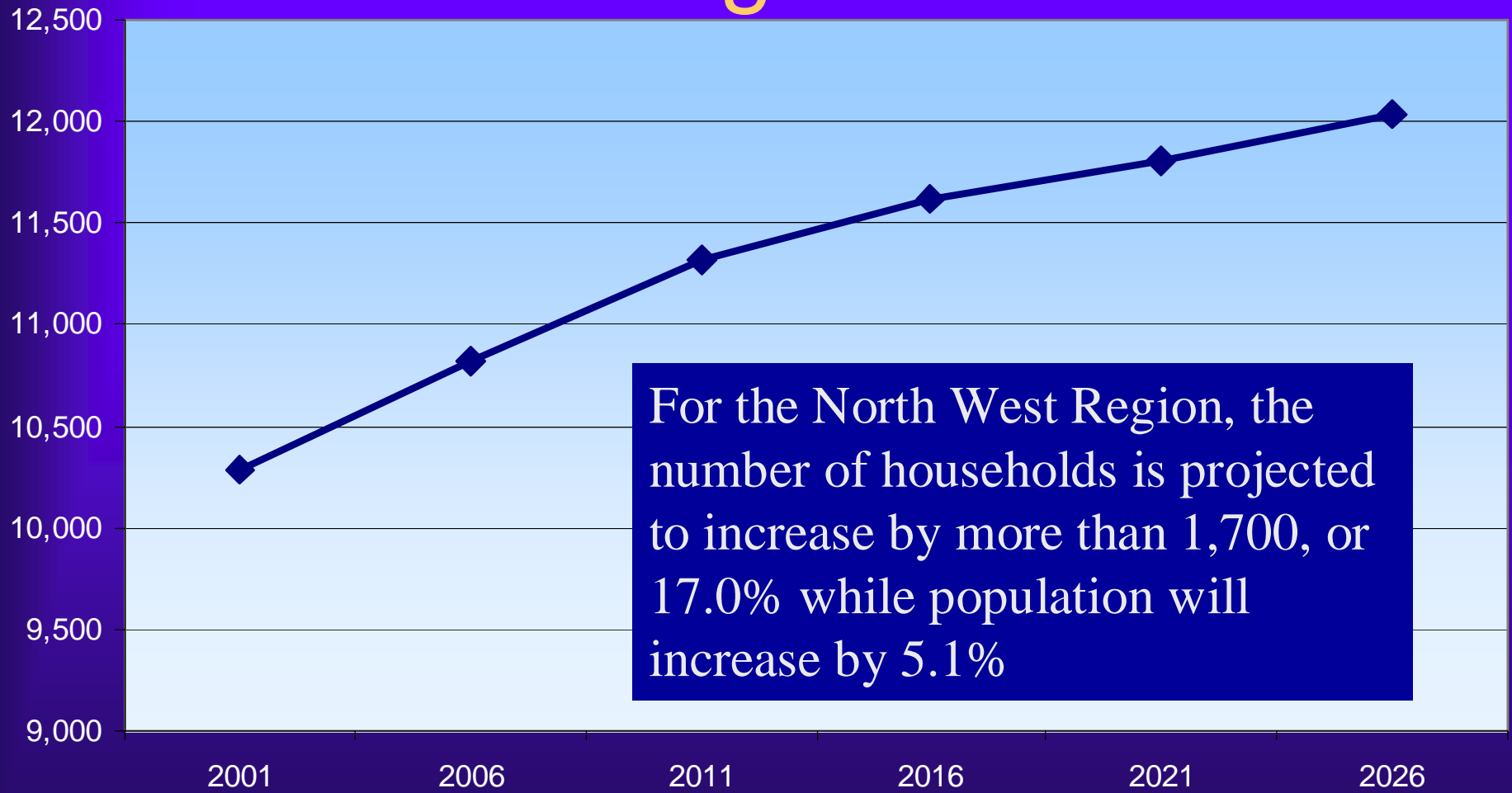
900

0

900

1800

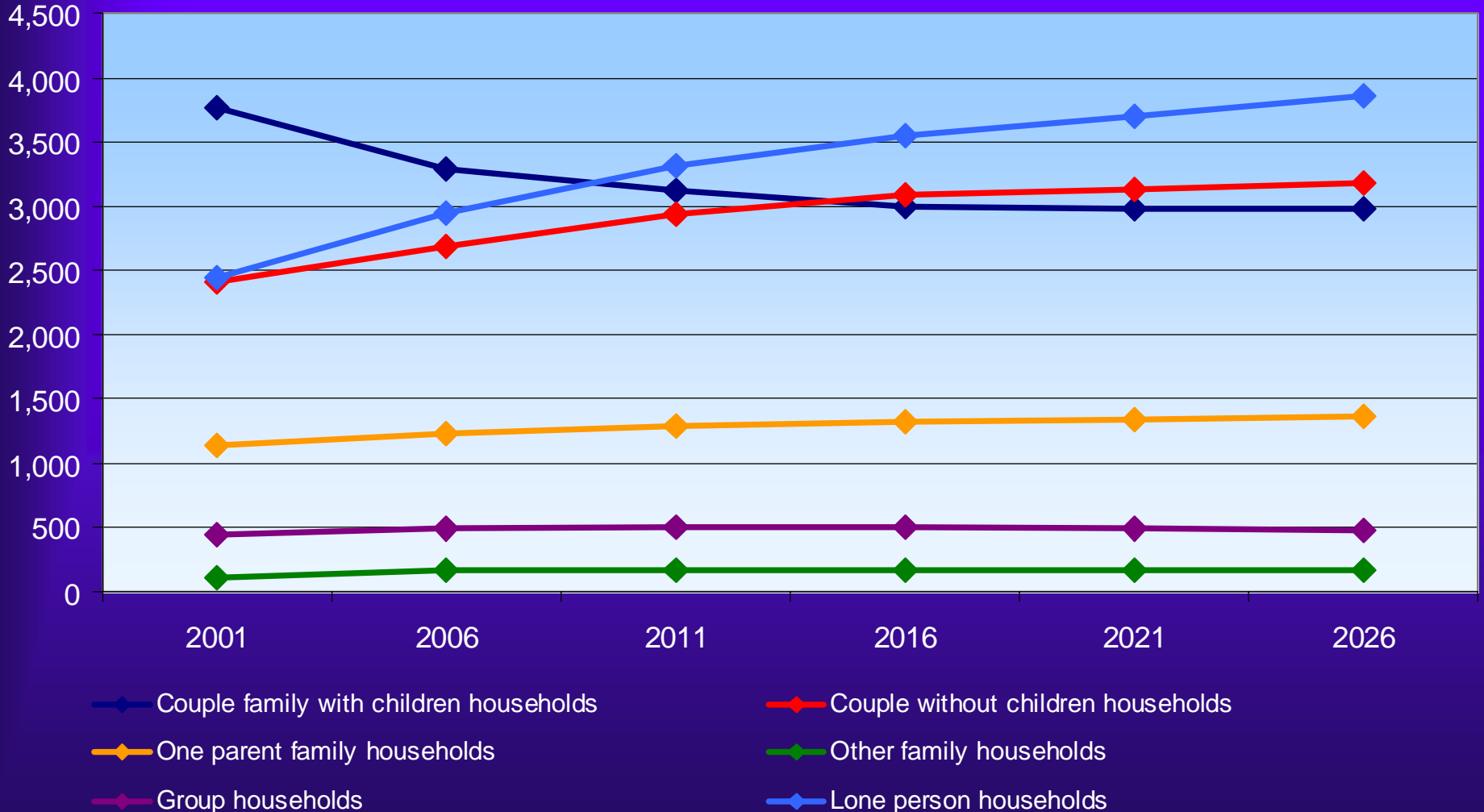
The total number of households will grow...



For the North West Region, the number of households is projected to increase by more than 1,700, or 17.0% while population will increase by 5.1%

—◆— NW Region

But different types will grow faster than others...



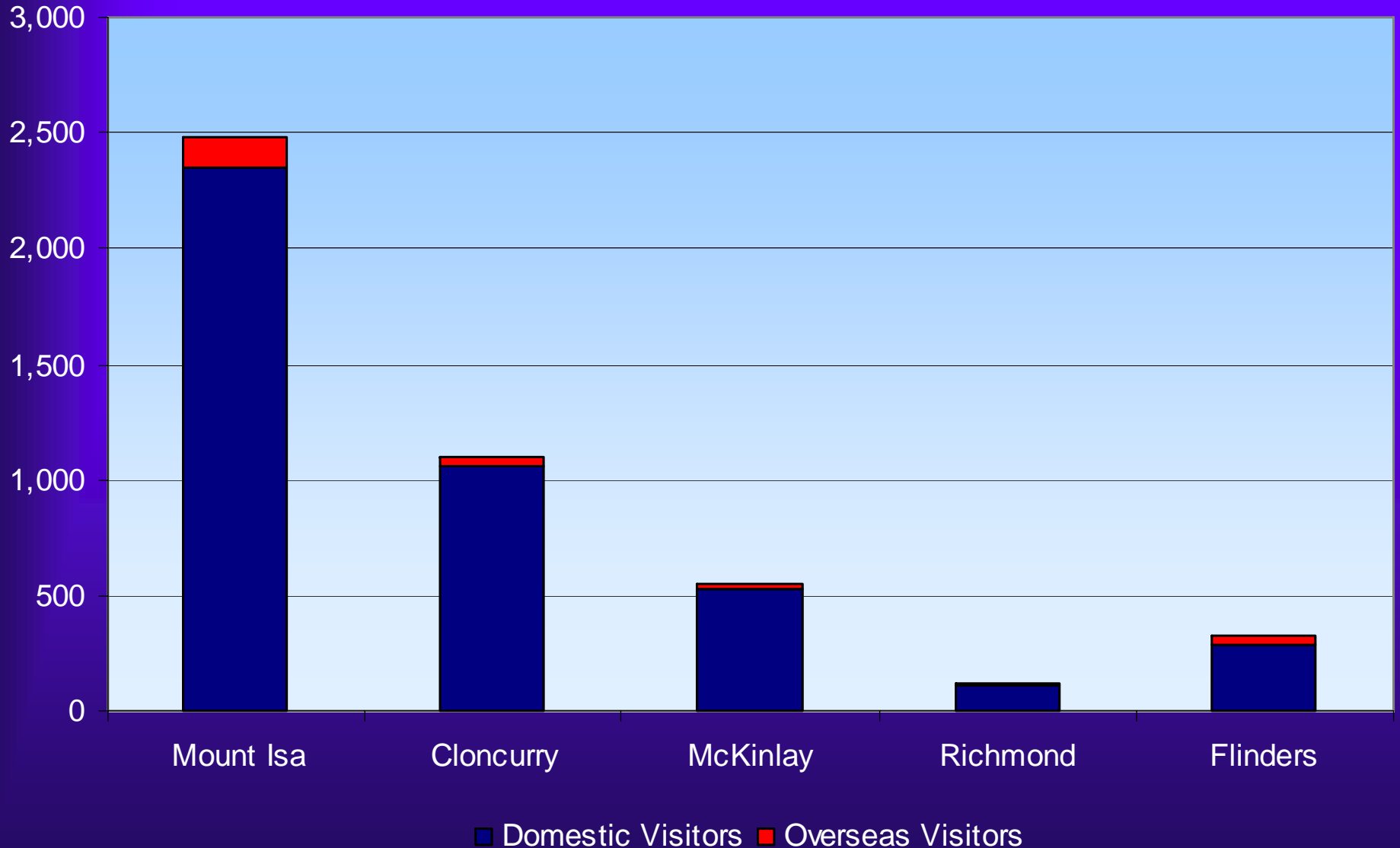
LGA	Projected Household Growth 2006-2026				Population Growth 2006-2026
	2006	2026	Growth (No.)	Growth (%)	Persons
Mount Isa (C)	8,120	9,230	1,110	13.7	961
Cloncurry (S)	1,094	1,260	166	15.2	666
McKinlay (S)	387	372	-15	-4.0	-102
Richmond (S)	439	463	24	5.5	159
Flinders (S)	777	710	-66	-8.6	-249
NW Region	10,817	12,036	1,219	11.3	1,435

Source: DLGPSR, 2007, Household projections for Queensland LGAs 2007, medium series

Afternoon tea

Results from the 2006 Census

Visitors to NW Region



■ Domestic Visitors ■ Overseas Visitors

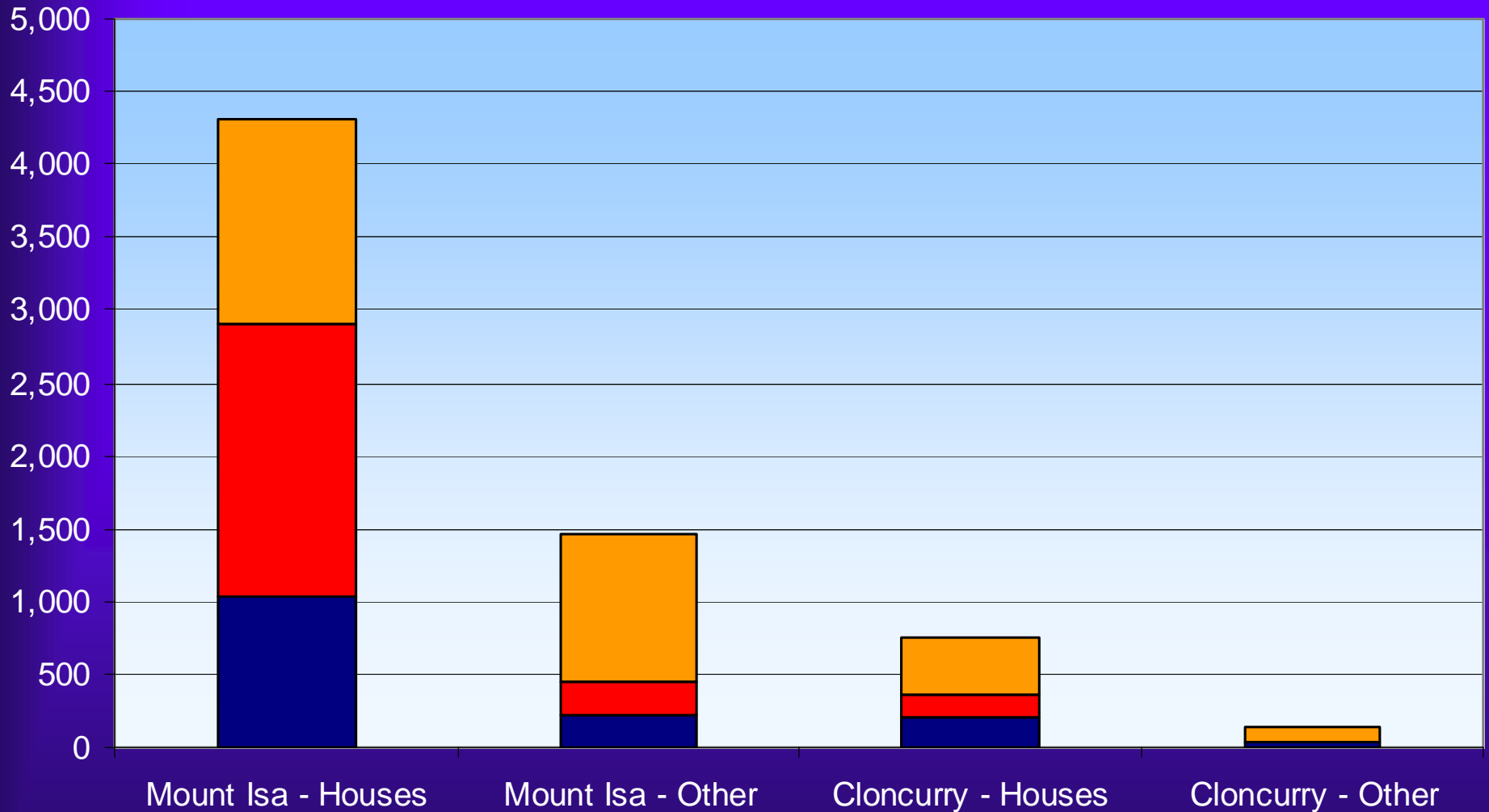
Indigenous Population

LGA	Indigenous Persons	Usual Resident Population	% of Population Indigenous
Mount Isa (C)	3,268	19,663	16.6
Cloncurry (S)	705	3,139	22.5
McKinlay (S)	42	898	4.7
Richmond (S)	50	902	5.5
Flinders (S)	147	1,792	8.2
NW Region	4212	26,394	16.0
QLD	127,578	3,904,532	3.3

Dwelling Structure

LGA	2001		2006	
	Houses	Other	Houses	Other
Mount Isa (C)	5,463	1,230	5,076	2,234
Cloncurry (S)	971	148	865	299
McKinlay (S)	300	19	253	100
Richmond (S)	334	10	328	39
Flinders (S)	711	23	685	85
NW Region	7,778	1,431	7,207	2,757

Tenure

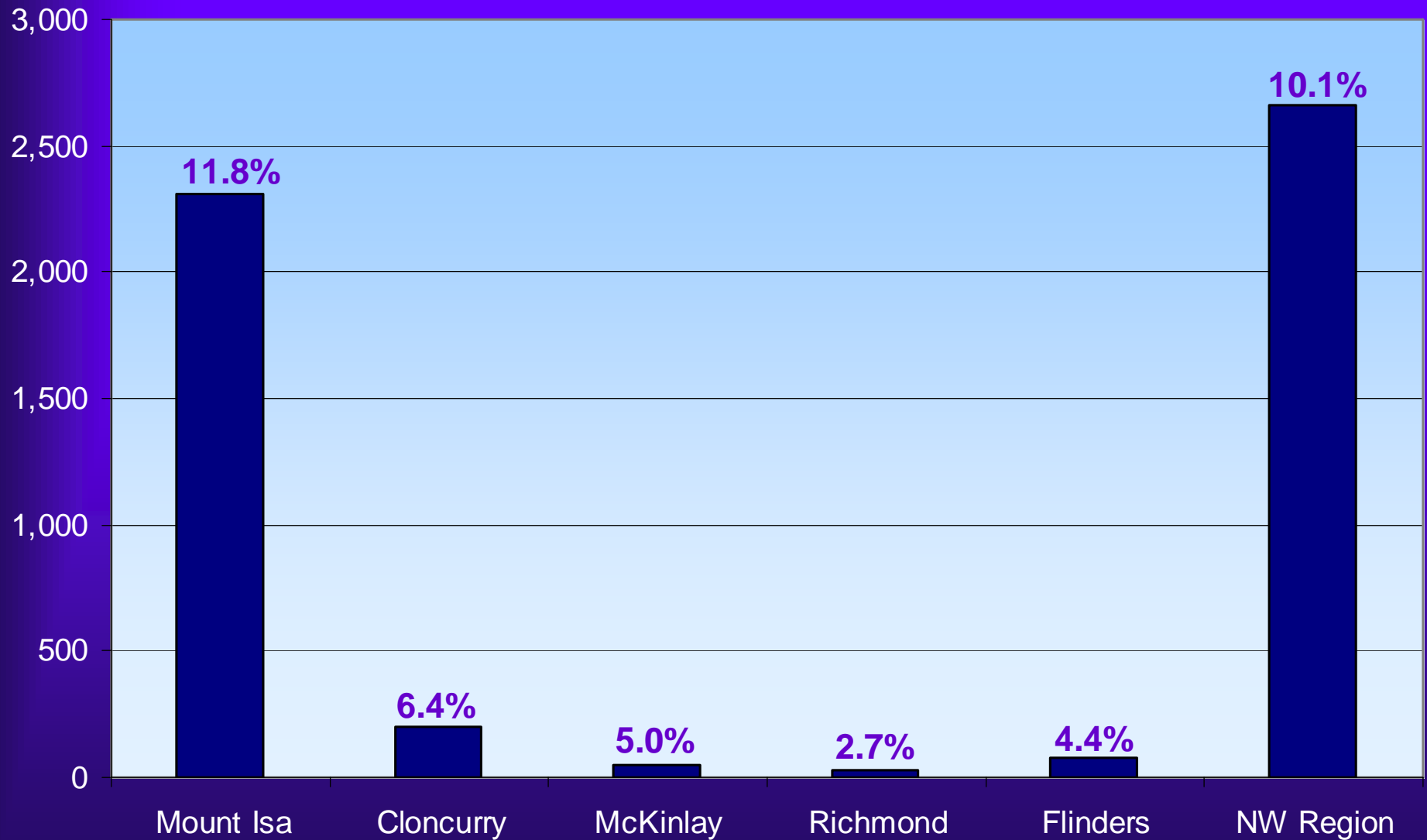


■ Fully Owned ■ Being Purchased ■ Rented

Source: ABS Census of Population and Housing 2006

Quickstats and Census Tables

Usual Residents born Overseas



Top 5 Countries of Birth

Mount Isa (C)

Country	No.	% of Total
Australia	14,610	74.3
New Zealand	579	2.9
England	375	1.9
Philippines	254	1.3
South Africa	91	0.5
Papua New Guinea	86	0.4
Balance	3,668	18.7%

Cloncurry (S)

Country	No.	% of Total
Australia	2,640	84.1
New Zealand	62	2.0
England	32	1.0
Argentina	14	0.4
Philippines	12	0.4
Papua New Guinea	11	0.4
Balance	368	11.7

Age Structure

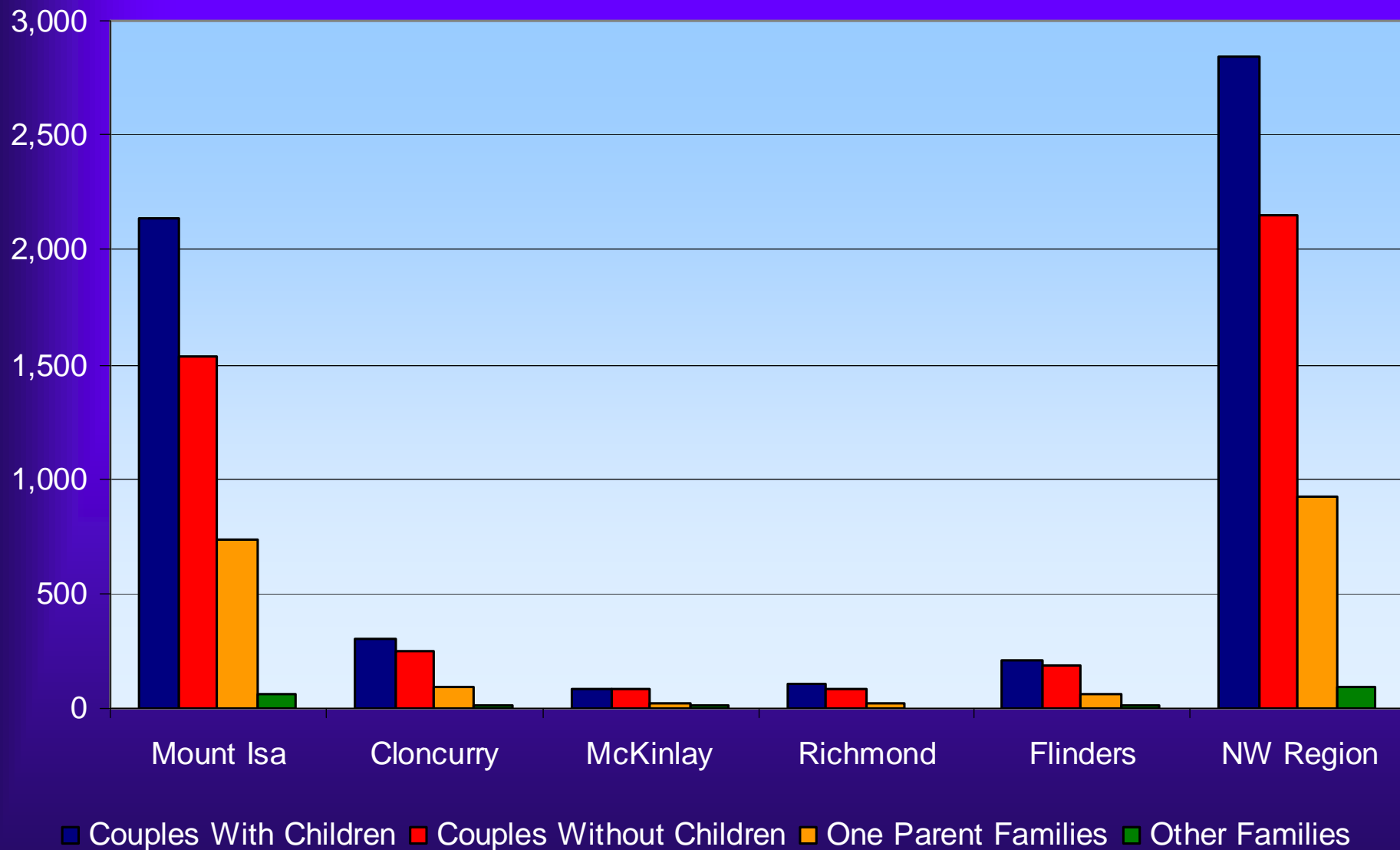
LGA	0-14	15-24	25-44	45-64	65+	Total
Mount Isa (C)	5,486	3,214	6,991	4,233	1,158	21,082
Cloncurry (S)	850	523	1,050	729	210	3,362
McKinlay (S)	188	127	313	260	80	968
Richmond (S)	214	128	290	221	109	962
Flinders (S)	448	210	524	521	204	1,907
NW Region	7,186	4,202	9,168	5,964	1,761	28,281



Usual Residents in Non-Private Dwellings

LGA	Owner	Guest	Not Stated	Total
Mount Isa (C)	50	708	180	938
Cloncurry (S)	30	171	62	263
McKinlay (S)	12	63	31	106
Richmond (S)	3	35	8	46
Flinders (S)	8	50	7	65
NW Region	103	1,027	288	1,418

Family Type



■ Couples With Children ■ Couples Without Children ■ One Parent Families ■ Other Families

Current and future research

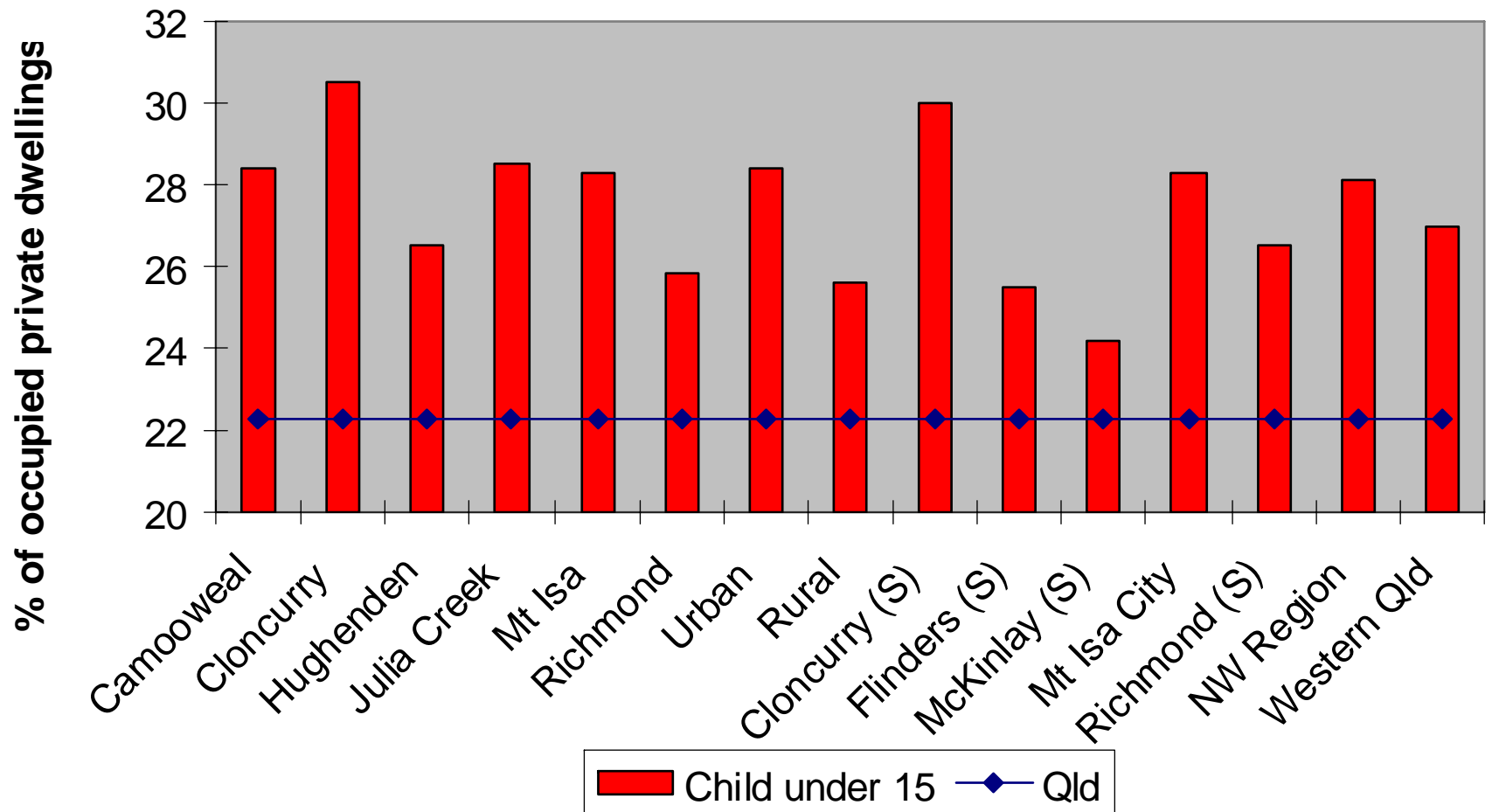
Current research

- ◆ Current regional planning work
 - Demographic profile
 - Comparative profile
 - Urban and rural population change and analysis of migration patterns
- ◆ Bowen Basin FTE study

Demographic and comparative profiles – North West Planning Region

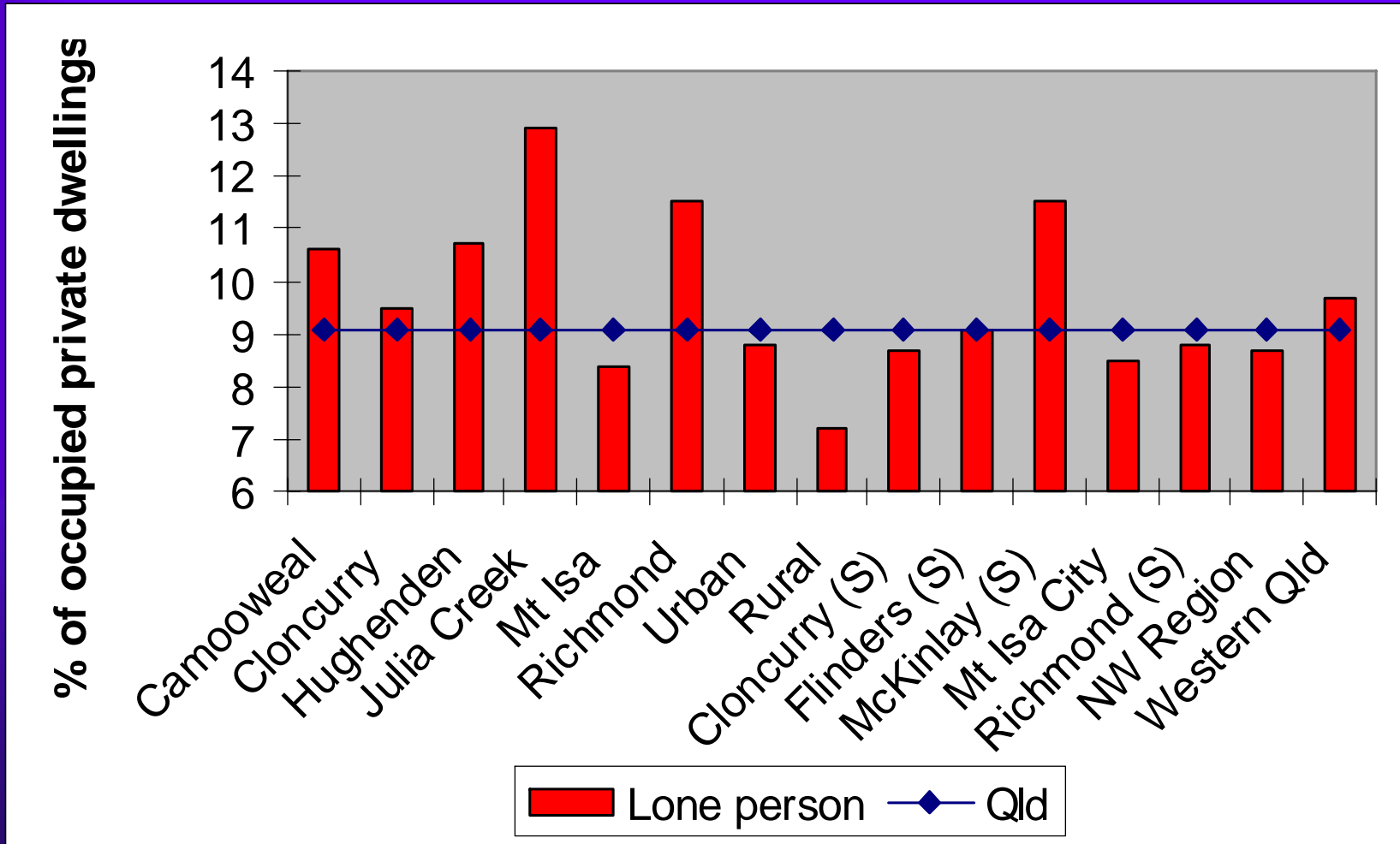
- ◆ Based on 2001 Census data
- ◆ Range of Census characteristics
- ◆ Demographic profile is for region as a whole
- ◆ Comparative profile compares urban centres and localities, urban and rural areas, each LGA, Western Qld and Qld

Distribution of children



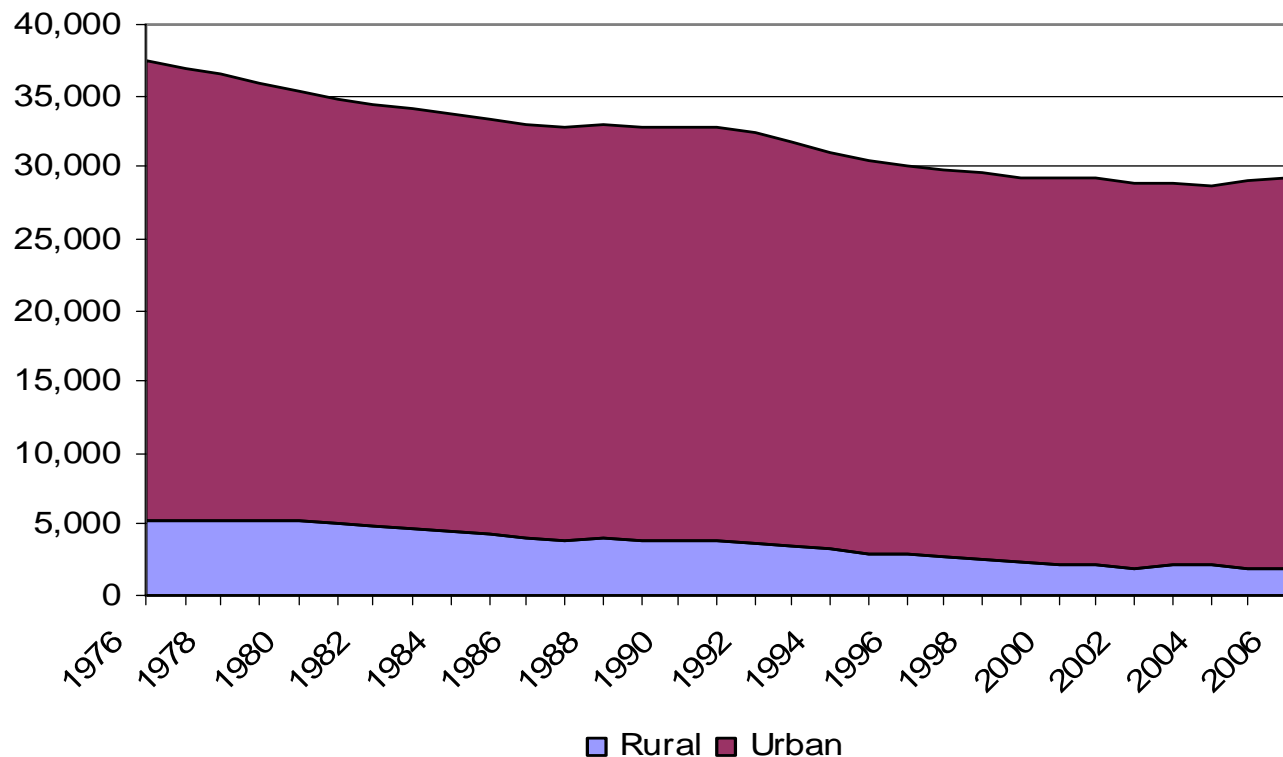
Source: NW Region Comparative profile
based on 2001 Census data

Distribution of people living alone



Source: NW Region Comparative profile based on 2001 Census data

Rural & urban population North West Planning Region

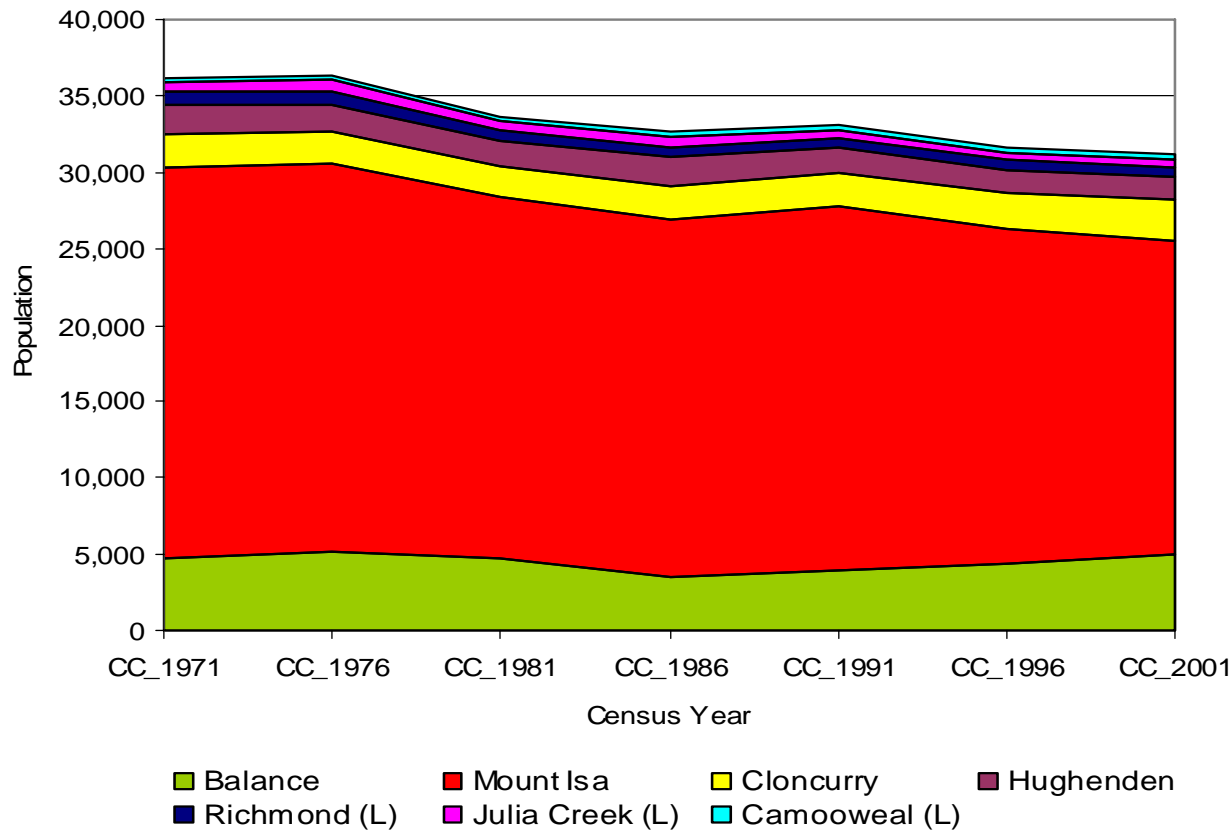


- ◆ Declining pop both rural & urban over 30 years
- ◆ Urban now growing, partic. Mt Isa
- ◆ Influence of mining workforce

Estimates of rural and urban resident population in the NW Planning Region, 1976-2006

From PIFU, forthcoming, 'Urban and rural population change and population movement in Western Qld Planning Regions'.

Urban centres and localities North West Planning Region



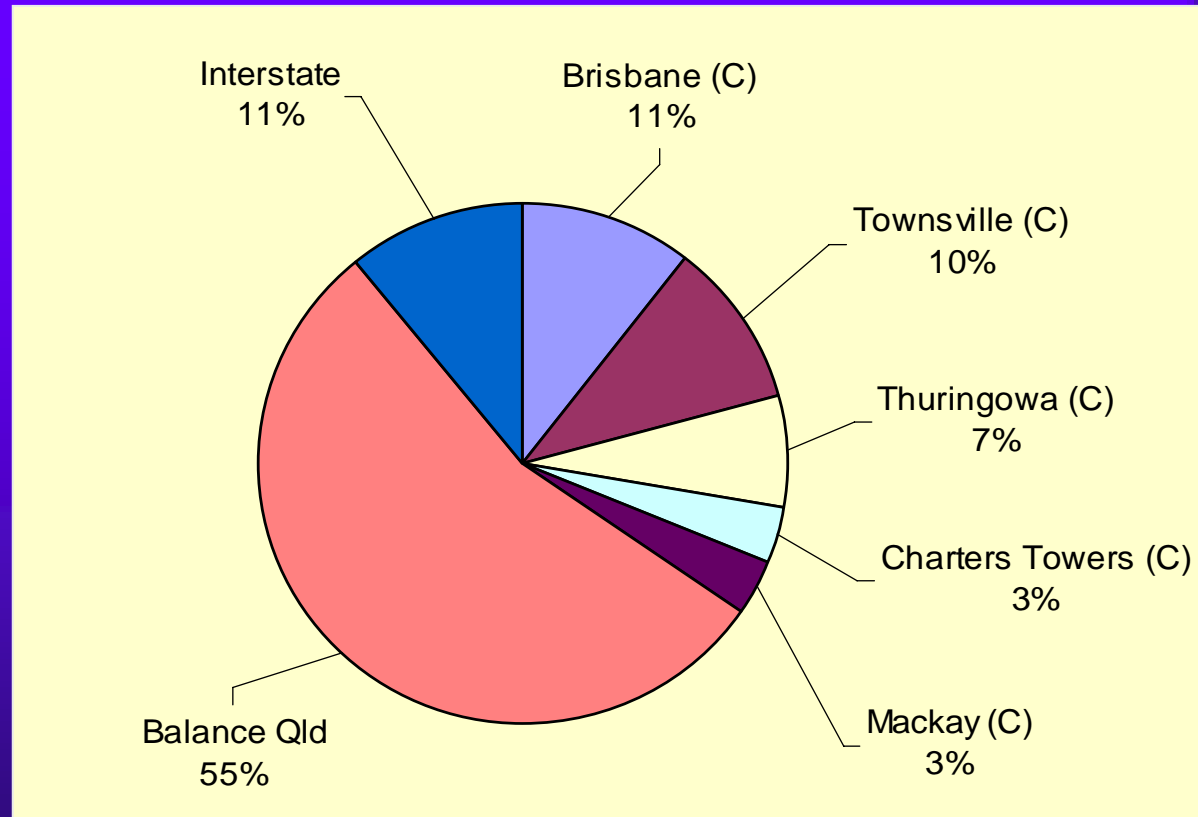
- ◆ Cloncurry and Camooweal increased
- ◆ More recent data show increase in Mt Isa

Census counts for urban centres and localities in the
NW Planning Region, 1976-2006

From PIFU, forthcoming, 'Urban and rural population change and
population movement in Western Qld Planning Regions'.

Who moved away from the North West Planning Region?

- ◆ Total of 10,140 moved out 1996-2001
- ◆ Most to other parts of Qld
- ◆ Mainly Brisbane, Townsville/Thuringowa, Charters Towers and Mackay



Out migration, 1996-2001, North West Planning Region

From PIFU, forthcoming, 'Urban and rural population change and population movement in Western Qld Planning Regions'. **PIFU 2007**

Net migration, North West Planning Region, 1996-2001

Total net loss of 4,600 people



From PIFU, forthcoming, 'Urban and rural population change and population movement in Western Qld Planning Regions'.

Bowen Basin Full Time Equivalent Population estimates

Local Government Area	Resident population at end of June 2006 (estimated)* <i>(persons)</i>	Non-resident worker population at end of June 2006** <i>(persons)</i>	Full-Time Equivalent (FTE) population at end of June 2006 <i>(persons)</i>	Non-resident worker population as % of FTE population <i>(% of total)</i>
Banana (S)	13,416	1,154	14,570	8%
Bauhinia (S)	2,116	146	2,262	6%
Belyando (S)	10,503	2,119	12,622	17%
Broadsound (S)	6,503	1,821	8,324	22%
Bowen (S)	11,745	219	11,964	2%
Duaringa (S)	6,433	749	7,182	10%
Emerald (S)	13,181	694	13,875	5%
Nebo (S)	2,005	3,137	5,142	61%
Peak Downs (S)	3,217	724	3,941	18%
BOWEN BASIN	69,119	10,763	79,882	14%

Source: PIFU, 2006, Bowen Basin population report

Future research

- ◆ NW FTE study
- ◆ 2006 Census analysis incl. Migration
- ◆ New population projections
- ◆ Population trend analysis

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