



Contract Region 1

Blacktown - Penrith - Richmond - Windsor



MINISTRY OF TRANSPORT

1. Introduction

This profile has been prepared for stakeholders attending the Regional Bus Planning Forum for Contract Region 1. There are 15 bus Contract Regions across the Sydney metropolitan area (see Appendix 1, page 17). This profile provides background information on Contract Region 1, which is located in western Sydney.

The profile outlines some background geographic and demographic information, and provides details of transport services (bus, train) and existing travel patterns from, to and within Contract Region 1. The data comes from a variety of sources (see explanatory notes on page 22).

Bus services in Contract Region 1 are provided by a consortium of bus operators known as "Area 1 Management Company" which includes Busways, Westbus and Hawkesbury Valley Bus and Coach Service.

This profile has been prepared by the Ministry of Transport to assist stakeholders in preparing suggestions on issues which they may wish the Area 1 Management Company to take into account in designing a new bus network in the Region.

2. Location

The following maps illustrate the location of Contract Region 1, its major facilities and some landuse features.

Overview

Region 1 has the largest land area of all the Contract Regions in Sydney. It is located in Sydney's north-west and covers an area of 121,700 hectares.

It is bounded by the suburbs of:

- Maroota to the north-east
- Prospect to the south-east
- Mulgoa to the south-west
- Kurrajong Heights to the north-west

A list of the suburbs within Region 1 is provided on pages 2 and 3.

Adjoining Contract Regions

Contract Region 1 borders Region 4 to the east, Region 3 to the south-east, and Regions 2 and 15 to the south-west.

Local Government Areas (LGA)

Region 1 covers part of the Local Government Areas (LGAs) of Blacktown, Penrith and Hawkesbury, with a small area in each of the LGAs of Baulkham Hills,

Liverpool and Wollondilly. The population breakdown by LGA in the following table shows that most people living in Region 1 reside in the Blacktown LGA.

LGA	Approx. pop of LGA in Contract Region 1	% CR1 pop from LGA
Blacktown	216,000	48.4%
Penrith	162,000	36.3%
Hawkesbury	62,000	13.9%
Wollondilly	5,000	1.1%
Baulkham Hills	1,000	0.2%
Liverpool	1,000	0.2%
Total	447,000	100.0%

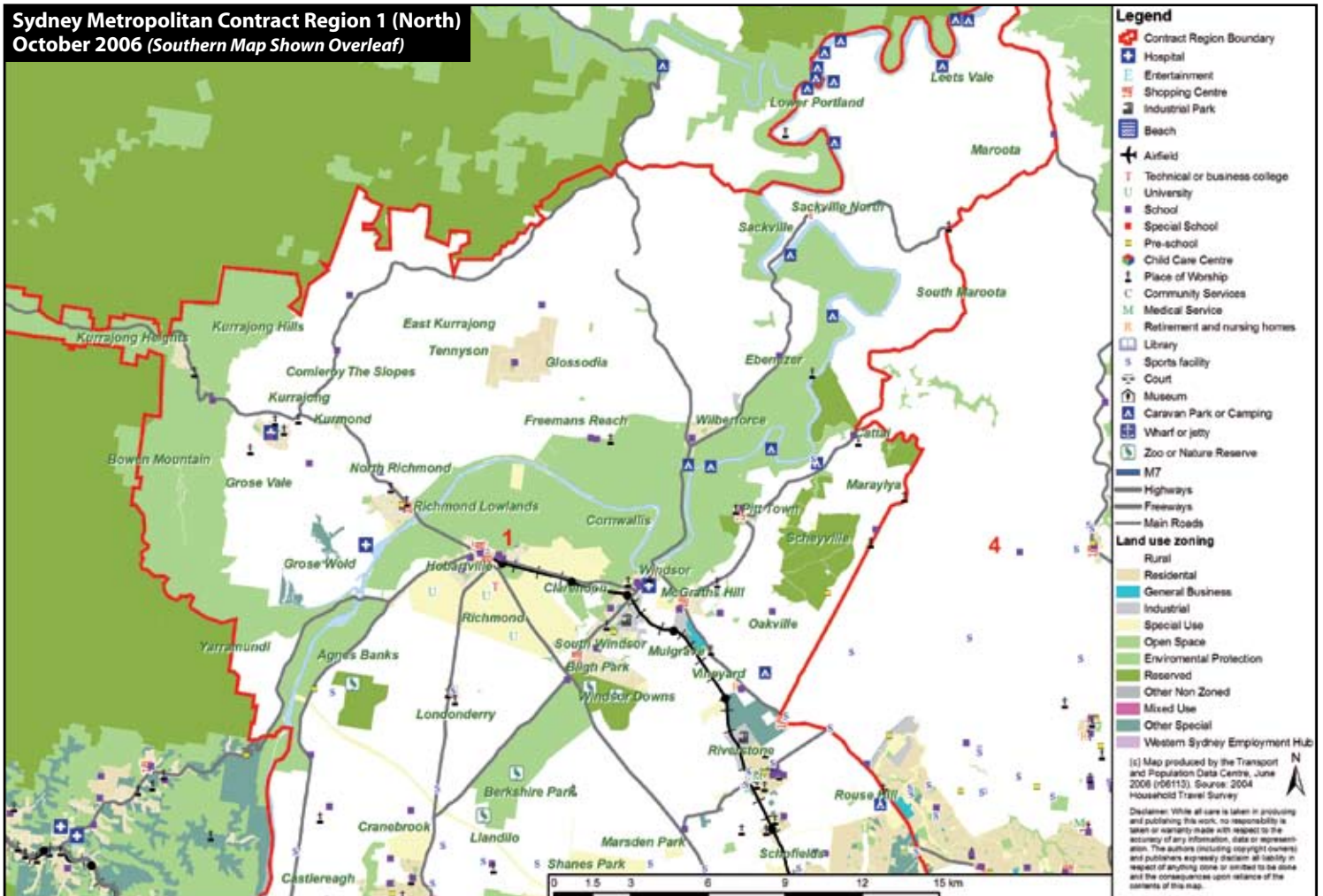
Regional Organisation of Councils

Baulkham Hills, Blacktown, Hawkesbury, Liverpool, and Penrith Councils are all members of the Western Sydney Regional Organisation of Councils (WSROC). Wollondilly is a member of the Macarthur Regional Organisation of Councils (MACROC).

Electorates

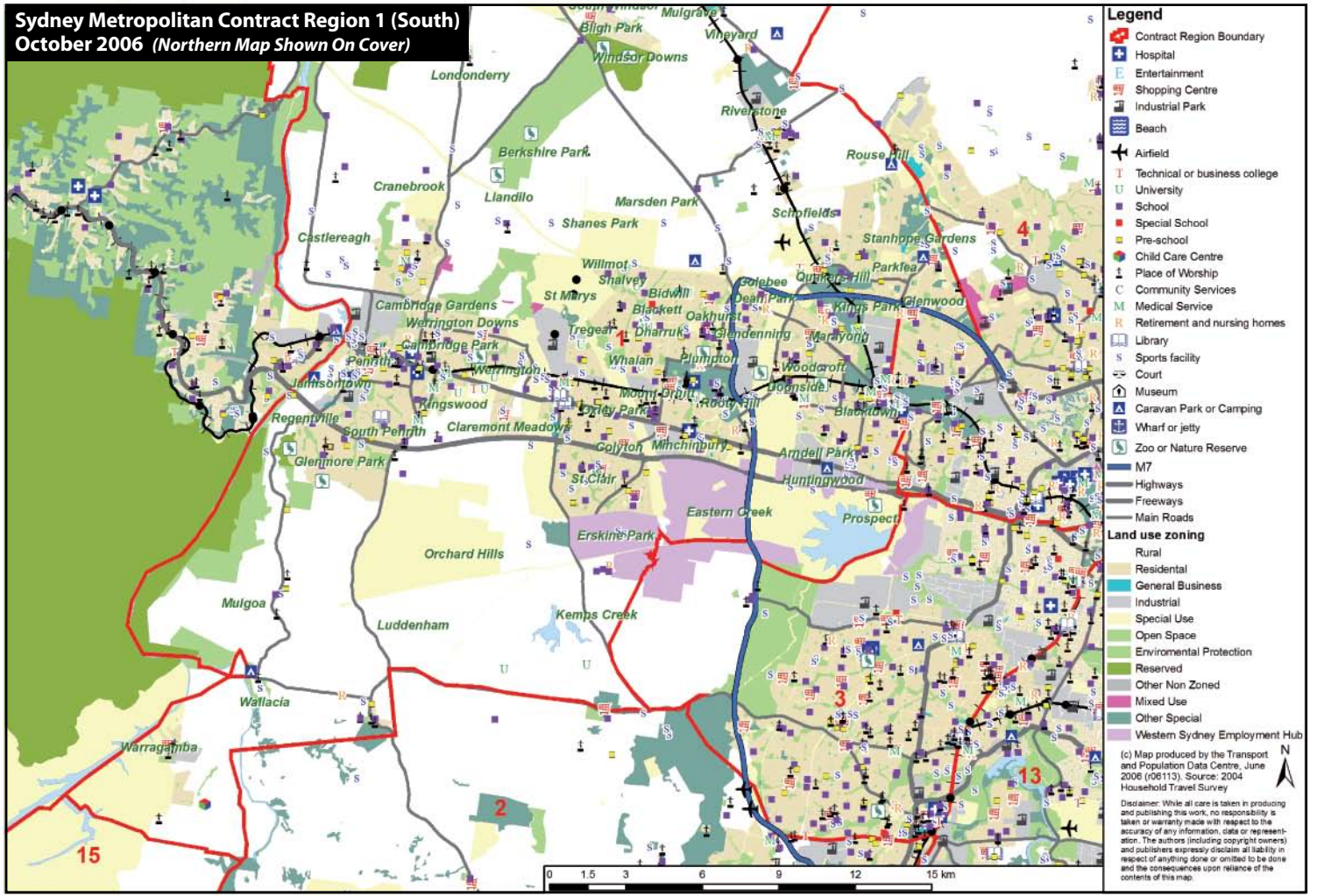
Contract Region 1 covers all or part of the State Electorates of Blacktown, Hawkesbury, Londonderry, Mount Druitt, Mulgoa, Penrith, Riverstone and Wentworthville. It also includes very small pockets of the Camden and Smithfield Electorates. The State Electorates applicable to each suburb are listed on pages 2 and 3.

Sydney Metropolitan Contract Region 1 (North)
October 2006 (Southern Map Shown Overleaf)



(c) Map produced by the Transport and Population Data Centre, June 2006 (06113). Source: 2004 Household Travel Survey
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Sydney Metropolitan Contract Region 1 (South)
October 2006 (Northern Map Shown On Cover)



Suburbs, LGAs and State Electorates in Contract Region 1

Suburb	% of Suburb in Contract Region 1	Contract Region 1 LGA	Contract Region 1 State Electorate
Acacia Gardens	100%	Blacktown	Riverstone
Agnes Banks	100%	Penrith	Londonderry
Arndell Park	100%	Blacktown	Wentworthville
Berkshire Park	100%	Penrith	Londonderry
Bidwill	100%	Blacktown	Mount Druitt
Blackett	100%	Blacktown	Mount Druitt
Bligh Park	100%	Hawkesbury	Londonderry
Cambridge Gardens	100%	Penrith	Londonderry
Cambridge Park	100%	Penrith	Londonderry
Claremont Meadows	100%	Penrith	Mulgoa
Clarendon	100%	Hawkesbury	Londonderry
Colebee	100%	Blacktown	Riverstone
Colyton	100%	Penrith	Mulgoa
Cornwallis	100%	Hawkesbury	Londonderry
Cranebrook	100%	Penrith	Londonderry
Dean Park	100%	Blacktown	Mount Druitt
Dharruk	100%	Blacktown	Mount Druitt
Doonside	100%	Blacktown	Blacktown
East Kurrajong	100%	Hawkesbury	Hawkesbury
Ebenezer	100%	Hawkesbury	Hawkesbury
Emerton	100%	Blacktown	Mount Druitt
Erskine Park	100%	Penrith	Mulgoa
Freemans Reach	100%	Hawkesbury	Hawkesbury
Glendenning	100%	Blacktown	Mount Druitt
Glenmore Park	100%	Penrith	Mulgoa
Glossodia	100%	Hawkesbury	Hawkesbury
Grose Vale	100%	Hawkesbury	Hawkesbury
Grose Wold	100%	Hawkesbury	Hawkesbury
Hassall Grove	100%	Blacktown	Mount Druitt
Hebersham	100%	Blacktown	Mount Druitt
Hobartville	100%	Hawkesbury	Londonderry
Huntingwood	100%	Blacktown	Wentworthville
Jamisontown	100%	Penrith	Penrith
Kellyville Ridge	100%	Blacktown	Riverstone
Kings Park	100%	Blacktown	Riverstone
Kingswood	100%	Penrith	Mulgoa
Kurmond	100%	Hawkesbury	Hawkesbury
Lethbridge Park	100%	Blacktown	Mount Druitt
Llandilo	100%	Penrith	Londonderry

Suburb	% of Suburb in Contract Region 1	Contract Region 1 LGA	Contract Region 1 State Electorate
Londonderry	100%	Penrith	Londonderry
Marayong	100%	Blacktown	Riverstone
Marsden Park	100%	Blacktown	Mount Druitt
McGraths Hill	100%	Hawkesbury	Hawkesbury
Minchinbury	100%	Blacktown	Mount Druitt
Mount Druitt	100%	Blacktown	Mount Druitt
Mulgrave	100%	Hawkesbury	Hawkesbury
North Richmond	100%	Hawkesbury	Hawkesbury
North St Marys	100%	Penrith	Londonderry
Oakhurst	100%	Blacktown	Mount Druitt
Oakville	100%	Hawkesbury	Hawkesbury
Orchard Hills	100%	Penrith	Mulgoa
Oxley Park	100%	Penrith	Mulgoa
Parklea	100%	Blacktown	Riverstone
Pitt Town	100%	Hawkesbury	Hawkesbury
Pitt Town Bottoms	100%	Hawkesbury	Hawkesbury
Plumpton	100%	Blacktown	Mount Druitt
Quakers Hill	100%	Blacktown	Riverstone
Regentville	100%	Penrith	Mulgoa
Richmond	100%	Hawkesbury	Londonderry
Richmond Lowlands	100%	Hawkesbury	Londonderry
Riverstone	100%	Blacktown	Riverstone
Rooty Hill	100%	Blacktown	Mount Druitt
Sackville	100%	Hawkesbury	Hawkesbury
Sackville North	100%	Hawkesbury	Hawkesbury
Scheyville	100%	Hawkesbury	Hawkesbury
Schofields	100%	Blacktown	Riverstone
Shalvey	100%	Blacktown	Mount Druitt
Shanes Park	100%	Blacktown	Mount Druitt
South Penrith	100%	Penrith	Penrith
South Windsor	100%	Hawkesbury	Londonderry
St Clair	100%	Penrith	Mulgoa
St Marys	100%	Penrith	Londonderry
Stanhope Gardens	100%	Blacktown	Riverstone
Tennyson	100%	Hawkesbury	Hawkesbury
The Slopes	100%	Hawkesbury	Hawkesbury
Tregear	100%	Blacktown	Londonderry
Vineyard	100%	Hawkesbury	Hawkesbury
Werrington	100%	Penrith	Mulgoa

Suburb	% of Suburb in Contract Region 1	Contract Region 1 LGA	Contract Region 1 State Electorate
Werrington County	100%	Penrith	Londonderry
Werrington Downs	100%	Penrith	Londonderry
Whalan	100%	Blacktown	Londonderry
Wilberforce	100%	Hawkesbury	Hawkesbury
Willmot	100%	Blacktown	Mount Druitt
Windsor	100%	Hawkesbury	Hawkesbury
Windsor Downs	100%	Hawkesbury	Londonderry
Woodcroft	100%	Blacktown	Blacktown
Castlereagh	>95%	Penrith	Londonderry
Eastern Creek	>95%	Blacktown	Mount Druitt
Glenwood	>95%	Blacktown	Riverstone
Kurrajong Hills	>95%	Hawkesbury	Hawkesbury
Mulgoa	>95%	Penrith	Mulgoa
Penrith	>95%	Penrith	Penrith
Warragamba	>95%	Wollondilly	Camden
Blacktown	>80%	Blacktown	Blacktown
Bowen Mountain	>80%	Hawkesbury	Hawkesbury
Prospect	>80%	Blacktown	Wentworthville
Wallacia	>70%	Penrith	Camden
Cattai	>60%	Hawkesbury	Hawkesbury
Kurrajong	>60%	Hawkesbury	Hawkesbury
Kurrajong Heights	>60%	Hawkesbury	Hawkesbury
Luddenham	>60%	Penrith	Penrith
Blaxlands Ridge	>50%	Hawkesbury	Hawkesbury
Kemps Creek	>50%	Penrith	Mulgoa
Badgerys Creek	>40%	Liverpool	Camden
Lower Portland	>40%	Hawkesbury	Hawkesbury
Maraylya	>40%	Hawkesbury	Hawkesbury
Maroota	>40%	Baulkham Hills	Hawkesbury
Wisemans Ferry	>40%	Baulkham Hills	Hawkesbury
Yarramundi	>40%	Hawkesbury	Londonderry
Rouse Hill	>30%	Baulkham Hills	Hawkesbury
Silverdale	>30%	Wollondilly	Camden
South Maroota	>30%	Baulkham Hills	Hawkesbury
Cumberland Reach	>10%	Hawkesbury	Hawkesbury
Horsley Park	>10%	Blacktown	Smithfield
Bilpin	<10%	Blacktown	Hawkesbury
Wetherill Park	<10%	Blacktown	Smithfield

Source: TPDC

3. Community Facilities

The section discusses the major facilities in Contract Region 1, and many of them are shown on the maps on pages 1 and 2. Unless stated otherwise, this information was sourced from the Transport & Population Data Centre (TPDC) of the NSW Department of Planning.

Retail Facilities

There are approximately 50 retail centres located in, or closely adjoining, Contract Region 1:

Major Centres	Other Centres
At Home, Penrith (Homemaker Centre)	Blacktown Drive In (Sunday Markets) Prospect
Blacktown Mall	Bligh Park Shopping Centre
Central Plaza Shopping Centre, Blacktown	Claremont Meadows Shopping Centre
Centro Nepean	Colyton Shopping Centre
Cranebrook Shopping Centre	Dean Park Shopping Centre
Emerton Village Shopping Centre	Hassall Grove Plaza
Erskine Park Shopping Centre	Henry Street, Penrith
Glenmore Park Shopping Centre	Kemps Creek Shopping Centre
Glenwood Shopping Village	Luxford Court Shopping Centre, Mount Druitt
Kingswood Park Shopping Centre	McGrath's Hill Shopping Centre
Lennox Shopping Centre, Emu Plains	Minchinbury Home Town
Marketland Shopping Centre, Kingswood	Mongolia Mall, Richmond
Marketown Riverstone	Mt. Pleasant Shopping Centre, Cranebrook
Minchinbury Shopping Centre	North Richmond Shopping Village
Penrith Centre Shopping Mall	Parklea Markets, Glenwood
Penrith Plaza (Westfield Penrith)	Penrith Showground Markets
Plumpton Market Place	Pitt Town Village Shopping Centre
Richmond Marketplace	Quakers Court Shopping Centre
ShopSmart, Mt Druitt	Quakers Hill Plaza
Southlands Shopping Centre, Penrith South	Rainbow Shopping Centre, Doonside
St Clair Shopping Centre	Richmond Mall Shopping Centre
St Marys Village Shopping Centre	Riverstone Marketown
Werrington County Shopping Village	Station Street Plaza, St Marys
Westfield Mount Druitt	Warragamba Plaza
Westpoint Blacktown	Source: TPDC 2006
Windsor Town Centre	
Woodcroft Plaza	

Source: Property Council of Australia (2005)

Details on each of the major shopping centres, such as key tenants, size of centres, car parking and pedestrian visits, are included in Appendix 2

Recreational / Cultural Facilities

Some of the many recreational and cultural facilities in Contract Region 1 are listed below:

- Australian Wildlife Park, Eastern Creek
- Blacktown City Bicentennial Museum, Riverstone
- Butterfly Farm, Wilberforce
- Cattai Homestead (Historic)
- Cattai National Park
- Court House, Richmond
- Eastern Creek Raceway
- Featherdale Wildlife Park, Doonside
- Grass Skiing, Kurrajong Heights
- Hawkesbury Heritage Farm, Wilberforce
- Longneck Lagoon Wildlife Reserve, Pitt Town
- Mamre Tea Rooms & Historic Homestead, Orchard Hills
- Museum of Fire, Penrith
- Nepean Arts Society, Penrith
- Panthers Cable Ski Park, Penrith
- Penrith Lakes Environmental Education Centre
- Prospect Dam
- Richmond Estate Wines, Kurmond
- Richmond RAAF Base
- Riverside Ski Park, Cattai
- Sydney International Regatta Centre, Cranebrook
- Warragamba Dam Info Centre
- Werrington Lakes Flora & Fauna Reserve
- Wilberforce Museum

Educational & Learning Facilities

There are a large number of educational and learning facilities in Contract Region 1.

Tertiary Institutions

The tertiary educational institutions in Contract Region 1 include:

- University of Sydney McGarvie Smith Farm, Badgerys Creek
- University of Western Sydney (Hawkesbury) campuses at Schofields (Nirimba) and Richmond
- University of Western Sydney (Nepean) campuses at Kemps Creek, Kingswood, and Werrington
- Western Sydney Institute of TAFE campuses at Mount Druitt, Schofields (Nirimba), Penrith, Richmond, Kingswood (Werrington)

Schools

There are 203 government and non-government schools in Region 1. By type of school there are:

- 127 primary schools
- 47 high schools
- 19 combined primary and high schools
- 10 special schools

A list of the schools in Contract Region 1 is provided in Appendix 3. It should also be recognised that in addition to these schools, many students travel to schools in neighbouring Regions.

Libraries

Contract Region 1 also includes a number of libraries:

- Mount Druitt
- Penrith - Southlands Shopping Centre, South Penrith
- Richmond
- St Marys
- Windsor

Health Facilities

Hospitals

There are three public and four private hospitals in Contract Region 1:

Public

- Blacktown
- Mount Druitt
- Nepean (Kingswood)

Private

- Hawkesbury Hospital, Windsor
- Jamison Private Hospital, Penrith
- Minchinbury Community Hospital, Mount Druitt
- St John of God Hospital, North Richmond

There are also a number of hospitals located in close proximity to Region 1 that service its residents, including:

- Westmead Hospital, Westmead
- Westmead Children's Hospital, Westmead

Aged Care Facilities

There are approximately 34 Aged Care Facilities in Contract Region 1 including "low care" hostels, and "high care" nursing homes. Appendix 3 provides a list of low care facilities in the Region.

4. Centres

The NSW Government's Metropolitan Strategy identifies a number of strategic centres in Sydney. Centres are concentrations of employment, retail facilities and services, and generally well serviced by public transport. Centres relevant to Contract Region 1 are described below:

Regional cities: centres with a full range of business, government, retail, cultural, entertainment and recreational activities.

- Parramatta – located outside of Region 1, to its south-east
- Penrith – located towards the south-western boundary of Region 1

Specialised centres: areas containing major airports, ports, hospitals, universities, research and business activities that perform vital economic and employment roles.

- Norwest (Business centre) – located in Region 4, and adjoining Region 1 to the east
- Westmead (Medical Centre) – located outside of Region 1, to the east (between Blacktown and Parramatta)

Major centres: major shopping and business centres for their surrounding areas with a full scale shopping mall, council offices, taller office and residential buildings, central community facilities and a minimum of 8,000 jobs.

- Blacktown – located across Regions 1 and 4

Potential Major Centres: have assets, including transport connections, and potential shopping and services in existing areas of the city which may have increased residential development.

- Mount Druitt – located in Region 1 between the centres of Penrith and Blacktown
- Rouse Hill – located towards north-eastern boundary of Region 1

Town Centres: contain a large group of shops and services, including 1-2 supermarkets, some community facilities, a medical centre and a variety of specialist shops.

- Blacktown LGA – Mt Druitt, Seven Hills
- Hawkesbury LGA – Richmond, Windsor
- Penrith LGA – St Marys

Employment Lands: areas containing factories, warehouses and associated offices, high tech manufacturing, transport logistics and major storage operations.

- Blacktown LGA – Arndell Park, Eastern Creek, Glendenning, Huntingwood, Minchinbury, Mount Druitt, North Dunheved, Prospect, Riverstone, Ropes Creek, Seven Hills
- Hawkesbury LGA – Richmond RAAF, South Windsor
- Penrith LGA – Emu Plains, Erskine Park, Kingswood, South Penrith/Jamistown, St Marys / Dunheved

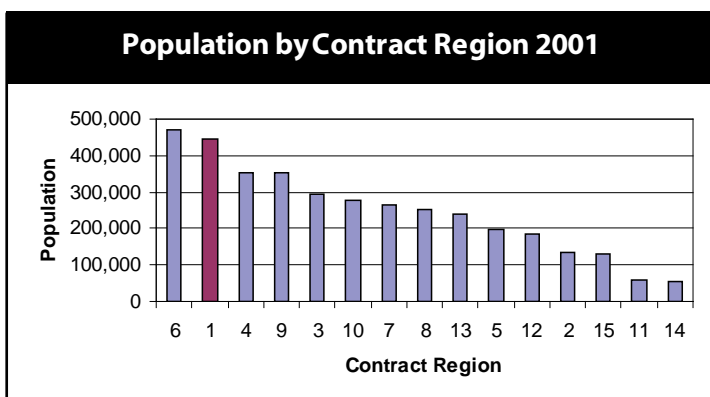
Analysis of travel patterns to the regional cities of Parramatta and Penrith, and the major centre of Blacktown are presented in Section 7.

5. Demographics

This section describes the characteristics of the population in Region 1, and makes some comparisons with the rest of the 15 Contract Regions across Sydney.

Population

The estimated resident population of Contract Region 1 in 2001 was 447,000. Region 1 is ranked at number two out of the fifteen bus Contract Regions in terms of population size.



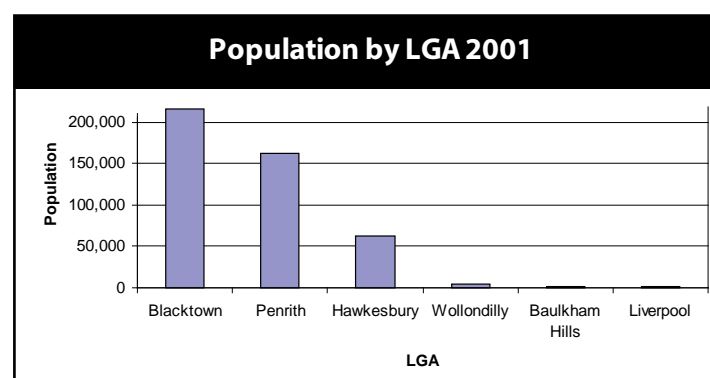
Population change over time

Between 1996 and 2001 the population of Region 1 increased from 408,000 to 447,000, an increase of 9%, compared with 6% for all Contract Regions. The areas in Region 1 that experienced major population growth between 1996 and 2001 include: Glenmore Park, Glenwood, Marsden Park, and South Windsor.

The population of Region 1 is predicted to rise to 580,000 by 2031, an increase of 30% in total. Across the 15 Sydney Contract Regions as a whole, the population is forecast to grow by 29%, over the same period.

Population by LGA

Nearly half (48%) of Contract Region 1's population lives in the Blacktown LGA, with 36% residing in Penrith LGA, and a further 14% in the Hawkesbury LGA. Only around 1% of the population of Region 1 live in the LGAs of Baulkham Hills, Liverpool and Wollondilly.



Population by Age

In 2001 25% of people living in Contract Region 1 were aged 5 to 19 years, compared with 20% for the Contract Regions as a whole. However, there was a smaller proportion of people aged 55 years and over in Region 1 (14%) compared to the Contract Regions overall (20%). These population groups are traditionally the highest users of public transport.

Age Group	% Pop of Contract Region 1 by 5 year Age Groups	% Pop of Contract Region 1 by Major Age Groups
Aged 0 - 4	8.5%	24.8%
Aged 5 - 9	8.8%	
Aged 10 - 14	8.1%	
Aged 15 - 19	7.9%	
Aged 20 - 24	7.2%	52.0%
Aged 25 - 29	7.8%	
Aged 30 - 34	8.2%	
Aged 35 - 39	7.9%	
Aged 40 - 44	7.7%	
Aged 45 - 49	6.8%	
Aged 50 - 54	6.3%	
Aged 55 - 59	4.3%	14.4%
Aged 60 - 64	3.1%	
Aged 65 - 69	2.3%	
Aged 70 - 74	1.9%	
Aged 75 - 79	1.5%	
Aged 80 - 84	0.8%	
Aged 85 - 89	0.4%	
Aged 90 - 94	0.1%	
Aged 95 - 99	0.0%	
Aged over 100	0.0%	
Not stated	0.3%	0.3%
Total	100.0%	100.0%

By suburb, the highest concentrations of people aged 5 to 19 years were:

• Windsor Downs	31.8%
• Cranebrook	30.6%
• Erskine Park	30.5%
• Marsden Park	30.1%
• Minchinbury	29.7%
• Bidwell	29.6%

Whilst the lowest concentrations of people aged 5 to 19 years were in:

• Penrith	14.1%
• Kingswood North	14.5%
• Parklea	15.4%
• Windsor	16.2%

The suburbs with the greatest share of people aged over 55 years were:

• Penrith	31.5%
• Kingswood North	29.9%
• Vineyard North	29.6%
• Richmond	28.2%
• Windsor	27.1%
• Kingswood	24.6%

The suburbs with lowest proportion of people aged 55 years and over were:

• Cranebrook North	3.1%
• Hassall Grove	6.8%
• Erskine Park	7.7%
• Glenmore Park	7.7%

Languages other than English (LOTE)

There is a smaller proportion of people living in Contract Region 1 with little or no English language skills compared to the other Contract Regions overall.

At the time of the 2001 Census, only 2% of the population in Region 1 either did not speak English well or not at all, compared to 5% for the Contract Regions as a whole.

LGAs	% Population of Contract Region 1 speaking English not well / not at all
Blacktown	3.1%
Hawkesbury	0.4%
Penrith	1.2%
Total CR1	2.0%

The proportion of people with little or no English speaking skills in the main LGAs in Contract Region 1 are presented in the table above.

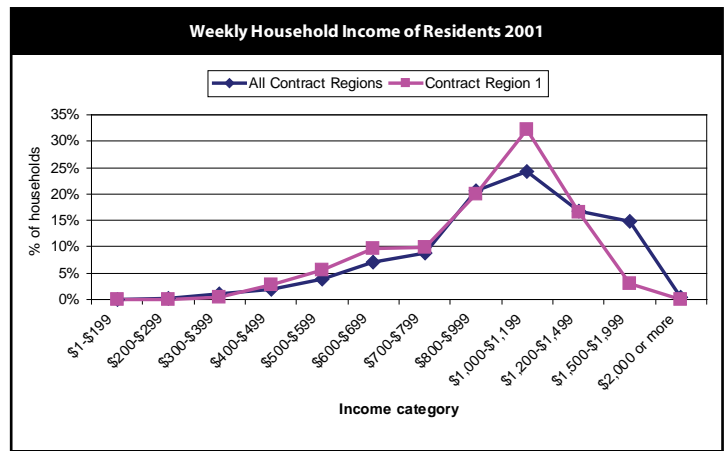
Average Household Size

In 2001 the average household size in Contract Region 1 was 3.2, compared with 2.9 for all Regions. Within Region 1, the average household size in the Blacktown LGA was 3.2, compared to 3.0 for the Hawkesbury LGA, and 3.1 for Penrith LGA.

Household Incomes

The average weekly household income (including multi-employee households) for Region 1 in 2001 was \$1,000-\$1,199, the same as the average for all Regions.

The average weekly income for the area of Blacktown LGA in Contract Region 1 was \$800-\$899, whilst for the areas of Hawkesbury and Penrith LGAs in Region 1 it was \$1,000-\$1,199.



Socio-Economic Disadvantage

The Australian Bureau of Statistics produces the "SEIFA" index (Socio-Economic Indexes for Areas 2001) of relative advantage and disadvantage. The index covers all areas in Australia and has been

LGA	SEIFA Index of Advantage/Disadvantage
Blacktown	982
Hawkesbury	1,017
Penrith	997

designed to have an average of 1,000. Low values indicate areas of disadvantage, and high values indicate areas of advantage. It takes into account variables such as the proportion of families with high incomes, people with a tertiary education, and employees in skilled occupations.

The index by LGA shows that Hawkesbury is the most advantaged LGA in Region 1.

Although the average index for Blacktown LGA is 982, the index varies across the three Statistical Local Areas (SLA) that make up the LGA. In Blacktown South-West SLA the index is 923, increasing to 977 for the Blacktown South-East SLA, up to 1,046 for Blacktown North SLA.

6 Disability

Information on the proportion of the population in Contract Region 1 with a disability was sourced from the Australian Bureau of Statistics' National Regional Profile for 2003. According to this data, an average of 9% of the residents of Blacktown, Hawkesbury and Penrith LGAs received either an Aged Pension or a Disability Support Pension. This could mean that across Region 1 there are around 40,000 people with some form of disability.

LGA	% Population receiving Aged Pension	% Population receiving Disability Support Pension	Total % Population receiving Pension
Blacktown	6.5%	3.6%	10.1%
Hawkesbury	5.6%	2.5%	8.1%
Penrith	5.7%	3.1%	8.8%

Education

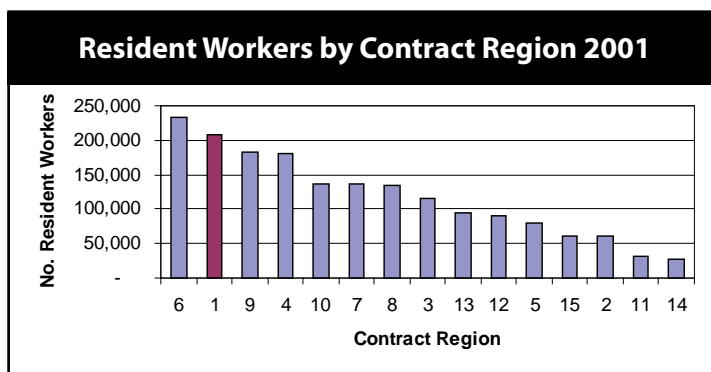
At the time of the 2001 Census, 27% of residents in Contract Region 1 were attending educational institutions, compared to 25% of the residents of the Regions as a whole.

Educational Institution	%
Preschool	1.9%
Infants & Primary	11.2%
Secondary	7.6%
Technical or Further Education	3.1%
University	2.4%
Other	0.6%
Not Attending	67.5%
Not stated	5.3%
Total	100.0%

Nearly 19% of the population in Region 1 are school students, compared to 15% across all Regions. This reflects the slightly higher than average population aged 5 to 19 years in Region 1.

Workforce

In 2001 the estimated resident workforce of Contract Region 1 was 208,700 – around 47% of the total population.



By LGA area, 45% of Region 1's workforce lived in Blacktown, 38% in Penrith, and 15% in Hawkesbury. Less than 2% lived in the areas of the Baulkham Hills, Liverpool and Wollondilly LGAs that are located in Region 1.

The areas of Region 1 with the highest numbers of resident workers were Marayong, Jamisontown, Erskine Park, Glenmore Park, Quakers Hill and Doonside.

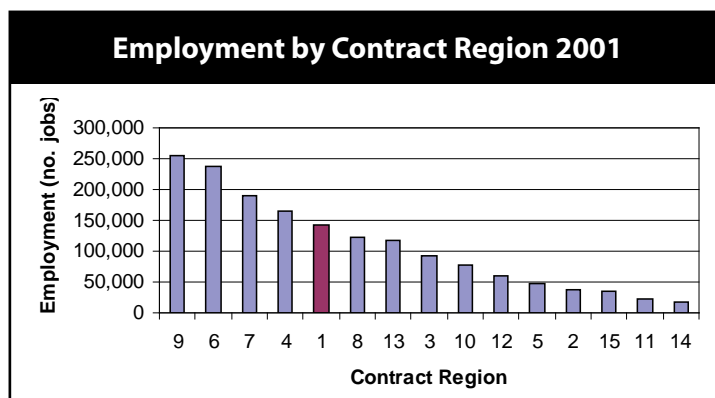
Employment

In 2001 the total employment (number of jobs) in Contract Region 1 was approximately 142,000, ranking it fifth among the 15 Contract Regions.

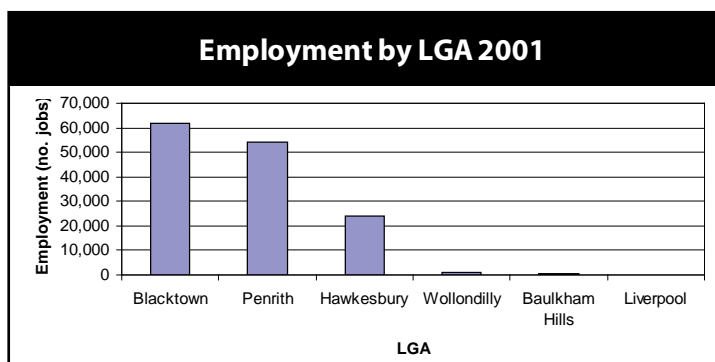
Between 1996 and 2001 employment grew in Contract Region 1 by 19%, significantly higher than the average growth for all Regions of 9%. Over the period 2001-2031 employment in Contract Region 1 is expected to increase by more than 50% to around 225,000 jobs, whilst employment across all Regions is forecast to grow by 24%.

Of Contract Region 1's total employment:

- 43% is in the Blacktown LGA
- 38% is in the Penrith LGA
- 17% is in the Hawkesbury LGA

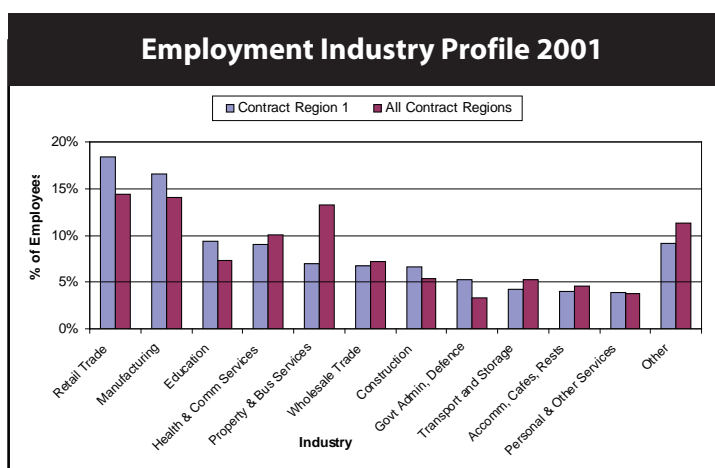


There was only very limited employment in the areas of the Baulkham Hills, Liverpool and Wollondilly LGAs that are part of Contract Region 1.



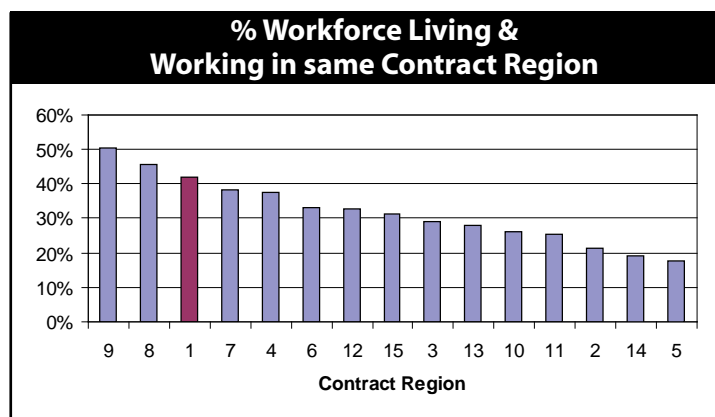
Industry Profile

Retail trade is the largest employment industry in Region 1 (18% of jobs), followed by manufacturing (17%), and education (9%).



Self Containment of Employment

In 2001 there were 208,700 workers living in Region 1 and 142,000 jobs. The self containment rate, or percentage of the workforce employed in the Region, was 42% - higher than the average rate of 32% across all 15 Regions.



Work related travel patterns to, from and within Region 1, are discussed in Section 8.

6. Transport Services

There are currently train, bus, and Community Transport services available in Region 1. A description of each service is provided in this section, and discussion of the travel patterns in Region 1 is provided in Sections 7, 8 and 9.

Current Bus Operations

Bus services in Region 1 are provided by Busways, Westbus and Hawkesbury Valley Bus and Coach Service. The map on page 8 illustrates the current bus route network in Region 1 and the table on page 9 provides a description of routes and their frequency.

Blue Mountains Bus Company (Pearce MountainLink) also operate services to and from Penrith from Emu Plains and various townships in the Blue Mountains. However, these services do not form part of the metropolitan contract regions and as such are not included in Region 1.

Strategic Bus Corridors

In addition to the current network of bus services, there are six strategic bus corridors in Region 1:

Corridor 1	Penrith – Blacktown (North)
Corridor 2	Penrith – Blacktown (South)
Corridor 3	Blacktown – Castle Hill
Corridor 4	Blacktown – Parramatta
Corridor 42	Parramatta – Rouse Hill
Corridor 43	Blacktown – Wetherill Park

Rail Services

There are 17 rail stations in Region 1. They are located on the following CityRail suburban lines:

- Western Line: Richmond /Emu Plains to Berowra (via Granville, City and Chatswood)
- Blue Mountains Line: Lithgow to Central (via Granville)
- Cumberland Line: Blacktown to Campbelltown (via Parramatta)

2005 Weekday Station Entry and Exits

Station	Ranking	Passenger Counts
Blacktown	11	15,230
Penrith	21	9,250
Mount Druitt	32	6,950
St Marys	47	4,350
Kingswood	55	3,800
Quakers Hill	80	2,470
Rooty Hill	85	2,140
Doonside	104	1,780
Werrington	139	1,110
Riverstone	141	1,090
Windsor	147	990
Marayong	148	970
Richmond	160	860
Schofields	174	670
Mulgrave	218	240
Clarendon	248	100
Vineyard	273	30

CityRail estimates of weekday station entry and exit counts and relative rankings for the rail stations in Region 1 are provided in the adjoining table.

Source: CityRail 2006

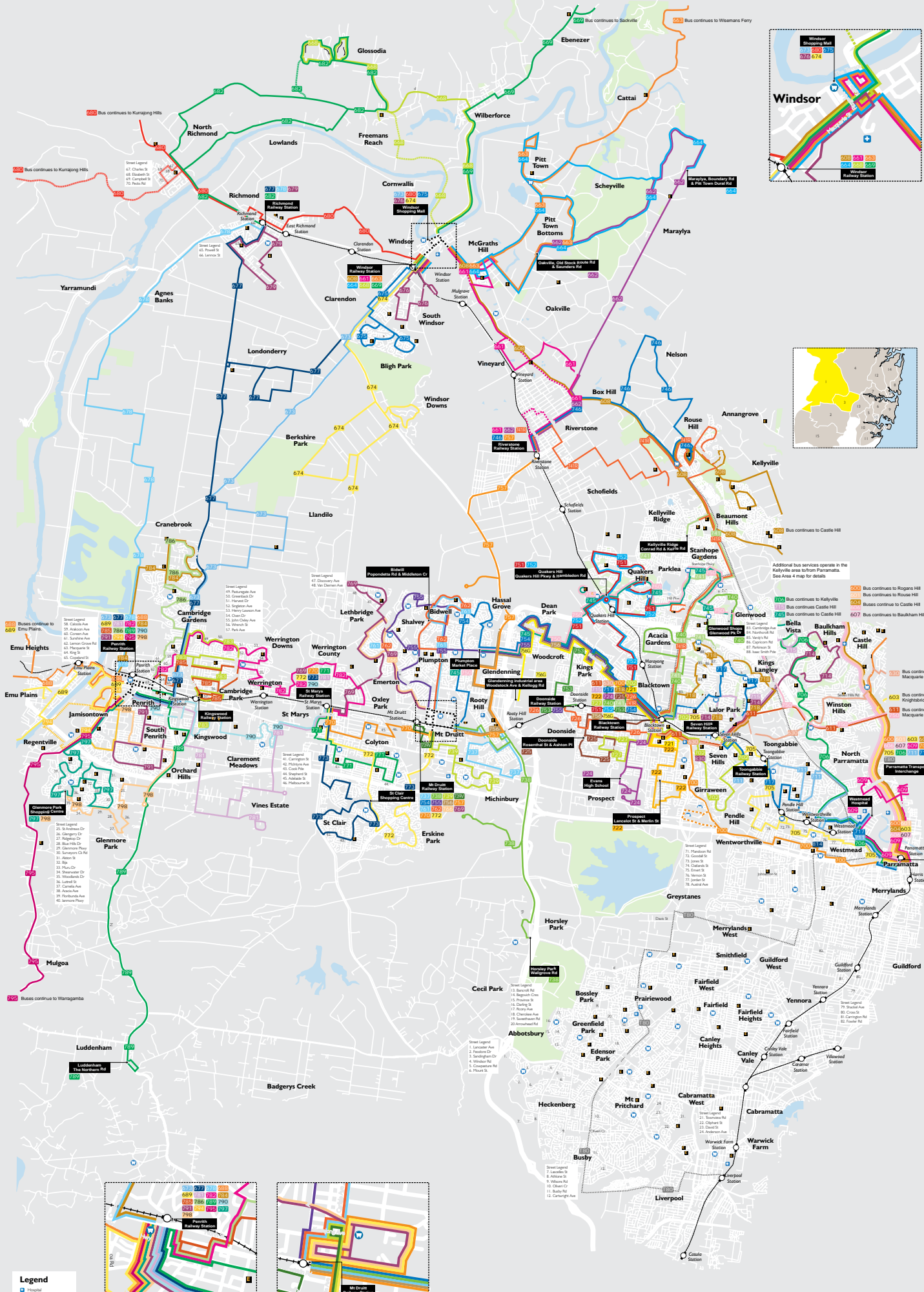
Community Transport Services

Community Transport services are non-profit passenger transport services that cater to the needs of people who cannot use existing private or mainstream public transport systems. Community Transport operators provide services using buses, minibuses and cars driven by both paid and voluntary workers to transport clients primarily for purposes of attending medical appointments, social outings and shopping / personal business.

Community Transport in Region 1 is currently provided by:

- Blacktown Community Transport: located at Marayong, serving the Blacktown LGA
- Great Community Transport: located at Penrith, serving the Penrith LGA
- Hawkesbury Community Transport: located at Windsor and serving the Hawkesbury LGA

During 2005 approximately 22,900 Community Transport trips originated in Region 1. The characteristics of these trips are described in Section 9.



Bus Services in Contract Region 1

Route	Destination	Weekday				Saturday		Sunday/Holidays	
		AM Peak	Off-Peak	PM Peak	Evening	Daytime	Evening	Daytime	Evening
Busways									
721	Blacktown - Blacktown Hospital	ns	60	60	ns	60	ns	60	ns
722	Blacktown - Prospect	15-20	30	15-20	30 (a)	30	60 (a)	60	60 (a)
724	Blacktown - Arndell Park	30	30	30	30 (a)	30	60 (a)	60	60 (a)
725	Blacktown - Doonside	15-20	30	15-20	30-60	30	60	60	60
726	Blacktown - Doonside Station	30	60	30	ns	60	ns	120	ns
727	Blacktown - Tallawong	ns	6 trips	ns	ns	4 trips	ns	3 trips	ns
730	Kellyville Ridge - Parramatta	3 trips	1 trip	4 trips	ns	ns	ns	ns	ns
735	Kellyville Ridge - City	4 trips	ns	4 trips	ns	ns	ns	ns	ns
737	Mount Druitt - Eastern Creek	30	60	30	60	60	60	120	ns
738	Mount Druitt - Eastern Creek Industrial Park/Horsley Park	1 trip	2 trips	2 trips	ns	ns	ns	ns	ns
739	Mount Druitt - Minchinbury	30	60	30	60	60	60	120	ns
740	Blacktown - Glenwood	20-30	30	30	60	30	60	60	60
741	Blacktown - Stanhope Gardens/Kellyville Ridge	20-30	30	30	60	30	60	30	60
741RS	Blacktown - Riverstone via Schofields/Rouse Hill	60	60	60	ns	60	ns	ns	ns
745	Plumpton - Castle Hill	30	60	60	ns	120	ns	ns	ns
750	Plumpton - Macquarie Park	3 trips	ns	3 trips	ns	ns	ns	ns	ns
751	Quakers Hill - Blacktown (clockwise loop)	30	60	ns	ns	60	ns	60	ns
752	Quakers Hill - Blacktown (anti-clockwise loop)	4 trips	60	30	30-60	60	60	60	60
753	Blacktown - Doonside Station (North side)	20-30	30	20-30	60	30	60	60	60
753W	Blacktown - Woodcroft	30	60	30	(b)	60	(b)	60	(b)
754	Mount Druitt - Blacktown via Hassall Grove	15-20	30	15-20	30-60	30	60	30	60
755	Mount Druitt - Blacktown via Shalvey	10-15	15	15	30	15	30	30	30
756	Mount Druitt - Blacktown via Rooty Hill	30	60	30	60	60	60	60	60
756G	Glendenning Industrial Area	30	ns	30	ns	ns	ns	ns	ns
757	Mount Druitt - Riverstone	30-60	60	60	ns	60	ns	120 (c)	ns
761	Mount Druitt - Bidwill via Carlisle Avenue	20-30	30	30	30 (d)	30	30 (d)	30 (d)	30 (d)
762	Mount Druitt - Bidwill via Popondetta Road	20-30	30	30	30 (d)	30	30 (d)	30 (d)	30 (d)
Westbus									
668	Windsor - Glossodia via Wilberforce	30	120	60	ns	5 trips	ns	3 trips	ns
669	Windsor - Sackville	1 trip	ns	1 trip	ns	ns	ns	ns	ns
673	Windsor - Penrith via Llandilo	60	2 trips	60	ns	4 trips	ns	ns	ns
674	Windsor - Berkshire Park via Windsor Downs	4 trips	2 trips	1 trip	ns	ns	ns	ns	ns
675	Windsor - Bligh Park	30	60	30	30	60	ns	120	ns
676	Windsor - South Windsor	4 trips	4 trips	4 trips	ns	4 trips	ns	ns	ns
677	Richmond - Penrith via Londonderry	2 trips	3 trips	3 trips	ns	2 trips	ns	ns	ns
678	Richmond - Penrith via Castlereagh	2 trips	3 trips	4 trips	ns	2 trips	ns	ns	ns
679	Richmond - UWS Hawkesbury	3 trips	ns	4 trips	ns	ns	ns	ns	ns
680	Richmond - Kurrajong and Grose Vale via North Richmond	20-30	75-120	30	ns	5 trips	ns	2 trips	ns
682	Richmond - Glossodia	2 trips	3 trips	1 trip	ns	ns	ns	ns	ns
766	St Marys - Mount Druitt via Ropes Crossing, Tregear and Whalan	30	60	30	ns	60	ns	60	ns
769	St Marys - Mount Druitt via Tregear, Willmot and Lethbridge Park	30	30	30	ns	30	ns	60	ns
770	St Marys - Mount Druitt via Oxley Park	60	60	60	ns	120	ns	120	ns
771	St Marys - Colyton via Desborough Road	20-30	30	30	ns	60	ns	60	ns
772	St Marys - Mount Druitt via Colyton, St Clair and Erskine Park	30	30	30	ns	60	ns	60	ns
773	St Marys - St Clair via West St Clair	30	30	30	ns	60	ns	60	ns
781	St Marys - Penrith via Claremont Meadows, Vines Estate and Orchard Hills	2 trips	ns	1 trip	ns	ns	ns	ns	ns
782	St Marys - Penrith via Werrington and Cambridge Gardens	30	30	30	ns	60	ns	60	ns
783	Kingswood - Cambridge Gardens via Cambridge Park	2 trips	ns	2 trips	ns	ns	ns	ns	ns
784	Penrith - Cranebrook via Castlereagh Road	15-30	ns	30	ns	ns	ns	ns	ns
785	Penrith - Kingswood via Cambridge Park and Werrington Downs	30	30	30	ns	60	ns	60	ns
786	Penrith - Cranebrook via The Northern Road	30	30	30	ns	30	ns	60	ns
789	Penrith - Luddenham	1 trip	ns	2 trips	ns	ns	ns	ns	ns
790	Penrith - St Marys via Claremont Meadows	30	30	30	2 trips	60	ns	60	ns
791	Penrith - South Penrith	20-30	30	20-30	ns	(e)	(e)	(e)	(e)
794	Penrith - Jamisontown via Nepean Shores	30	60	30	ns	(e)	(e)	(e)	(e)
795	Penrith - Warragamba via Mulgoa	45-60	120	50	ns	3 trips	ns	2 trips	ns
797	Penrith - Glenmore Park via Mulgoa Road	15-30	30	20-30	ns	(f)	(f)	(f)	(f)
798	Penrith - Glenmore Park via The Northern Road	4 trips	60	3 trips	ns	(f)	(f)	(f)	(f)
N1	Penrith - Glenmore Park	ns	ns	ns	40-60	60	60	60	1 trip
N2	Penrith - South Penrith via Jamisontown	ns	ns	ns	40-60	60	60	60	1 trip
N3	Penrith - Cranebrook and Werrington Downs Night Service	ns	ns	ns	60	ns	60	ns	60
N4	Mount Druitt - Tregear Night Service	ns	ns	ns	35	ns	35	ns	35
N5	St Marys - Erskine Park Night Service	ns	ns	ns	70	ns	70	ns	2 trips
N6	St Marys - Tregear Night Service	ns	ns	ns	2 trips	ns	2 trips	ns	2 trips
Hawkesbury Valley									
661	Riverstone - Windsor via McGraths Hill	4 trips	120	4 trips	ns	6 trips	ns	ns	ns
662	Riverstone - Oakville via Maraylya	1 trip	ns	1 trip	ns	ns	ns	ns	ns
663	Windsor - Wisemans Ferry via Oakville and Pitt Town	4 trips	120	4 trips	ns	2 trips	ns	ns	ns
664	Windsor - Maraylya via Oakville	2 trips	ns	1 trip	ns	ns	ns	ns	ns

Notes: (a) Combined 722/4 loop service, (b) Route 753 diverts via Woodcroft, (c) Marsden Park - Mount Druitt only, (d) Combined route 761/2 loop service, (e) Route N2 evening/weekend loop service, (f) Route N1 evening/weekend loop service. The frequencies shown above are approximate and do not account for trip variations (eg school day only services)

7. Travel Patterns

This section discusses the travel patterns within Region 1 on an average weekday in 2004. The analysis presented is from the TPDC's Household Travel Survey.

Total Travel

Each weekday approximately 1,487,000 trips* originate in Region 1 – these include trips by residents and non-residents.

The residents of Region 1 make an average of 3.6 trips per person each weekday, and 3.1 trips per person on weekends. For the Regions as a whole, the average trip rate on weekdays is 3.8, whilst on weekends it is 3.3. Therefore the residents of Region 1 are travelling slightly less on average than the residents of the other Regions.

* A trip is defined as a journey from one activity to another.

Destination of Travel

Of the 1,487,000 trips starting each weekday in Region 1, 79% (approx. 1,173,000) also end in Region 1. An additional 9% finish in the adjoining Region of 4, which includes part of the Parramatta CBD.

Destination of All Trips from Contract Region 1	No. of Trips	% of Trips
Within Region 1	1,173,000	78.9%
To Region 4	132,000	8.9%
To Region 6	24,000	1.6%
To Region 3	23,000	1.6%
To Region 13	20,000	1.3%
To Region 7	16,000	1.1%
To Region 2	14,000	1.0%
To Region 9	10,000	0.7%
Sydney CBD	9,000	0.6%
To Region 15	5,000	0.4%
To Region 12	4,000	0.3%
To Region 10	4,000	0.3%
To Region 8	3,000	0.2%
To Region 5	3,000	0.2%
To Region 11	<1000	0.0%
To Region 14	<1000	0.0%
Other/unknown	45,000	3.0%
Total	1,487,000	100.0%

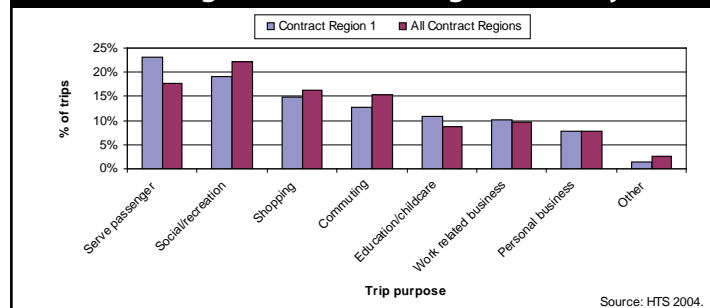
Purpose of Travel

Trips originating in Contract Region 1 are for a diverse range of reasons. Only around 13% on weekdays are for the purpose of commuting to and from work. The majority are for activities such as serve passenger** (23%) and social / recreational purposes (19%), followed by shopping (15%). Around 11% of all trips starting in Region 1 are education related.

** Defined as picking up / dropping off a passenger, or accompanying a trip maker.

Compared to travel across all Regions as a whole, there are higher proportions of serve passenger, education and work related business trips starting in Region 1.

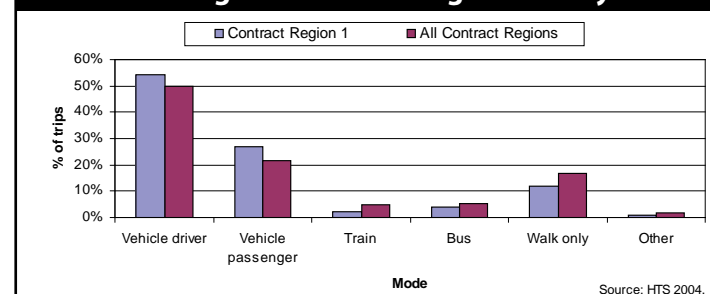
Purpose of trips starting in Contract Regions on an average weekday 2004



Mode of Travel

Throughout Sydney most travel is by car, no matter the reason for the trip. This is also true for travel in Region 1.

Mode used for trips starting in Contract Regions on an average weekday 2004



Compared to mode use across all Regions, there are higher proportions of vehicle driver and passenger trips starting in Region 1, and lower proportions of public transport and walking trips, reflecting the vast geographic size of the Region.

Travel to Centres

Travel for all purposes on an average weekday in 2004 is mapped to illustrate the catchment area for travel to the key strategic centres relevant to Region 1 (see following pages).

• Parramatta

The map shows that the origin of trips to this centre form a ring around the centre itself. There are a large number of trips to Parramatta originating in the south-eastern area Region 1, from suburbs such as Prospect, Mount Druitt, Marayong, Rooty Hill and Blacktown.

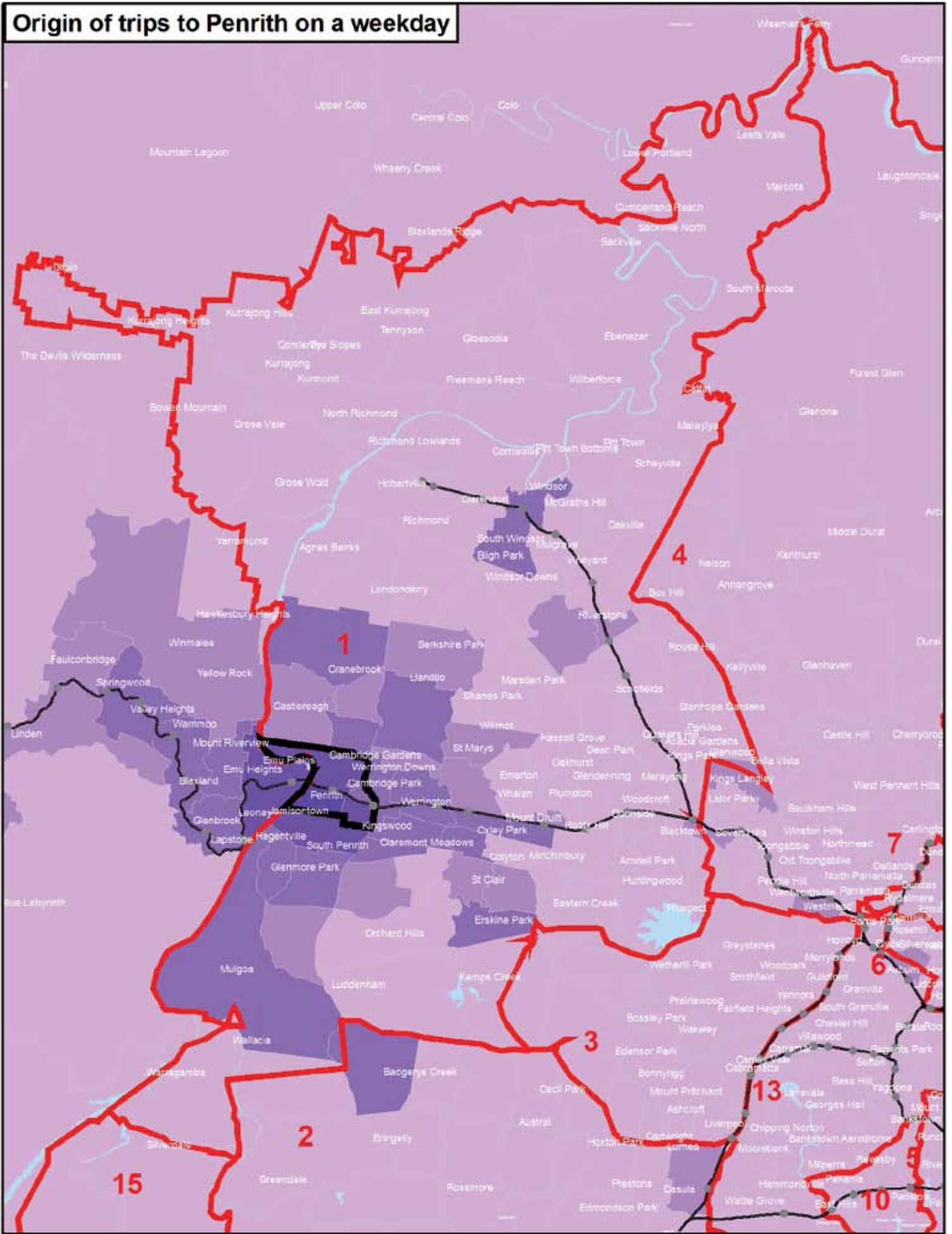
• Penrith

Trips to Penrith predominantly originate from within the centre itself, as well as the surrounding areas of Jamisontown, Kingswood, Werrington and Cranebrook.

• Blacktown

Blacktown is a lower order centre, and as such it draws people from a narrower catchment area than either Parramatta or Penrith. Most trips to Blacktown originate within the centre itself, and from nearby suburbs such as Marayong, Arndell Park, Doonside, Kings Langley and Quakers Hill.

Origin of trips to Penrith on a weekday



Trips to the centre

- 0 - 500
- 501 - 1,000
- 1,001 - 5,000
- 5,001 - 20,000
- More than 20,000

Penrith
Contract Regions

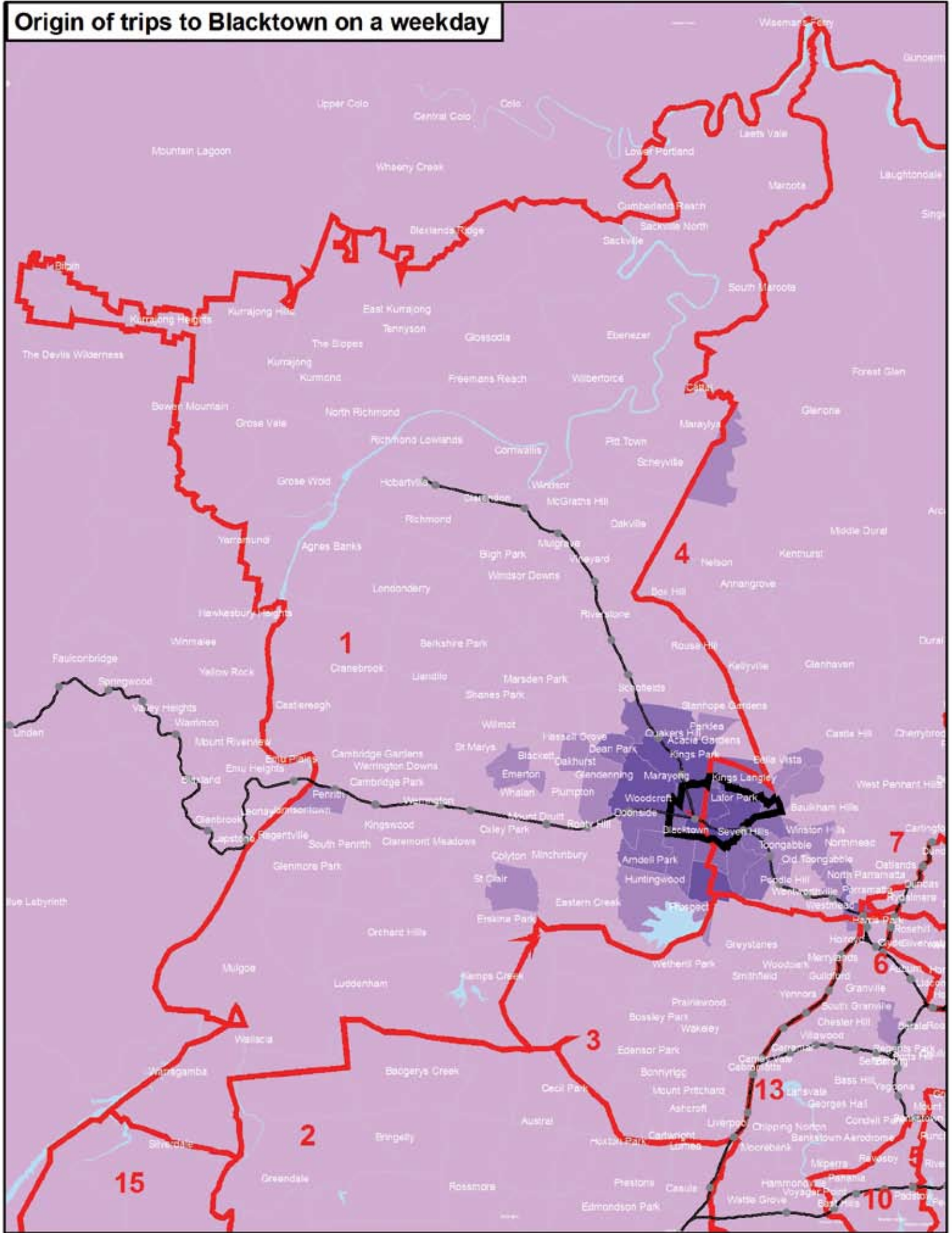


0 1 2 4 6 8 10 km

(c) Map produced by the Transport and Population Data Centre, June 2006 (r06113). Source: 2004 Household Travel Survey

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Origin of trips to Blacktown on a weekday



Trips to the centre

- 0 - 500
- 501 - 1,000
- 1,001 - 5,000
- 5,001 - 20,000
- More than 20,000

Blacktown
Contract Regions



0 1 2 4 6 8 10 km

(c) Map produced by the Transport and Population Data Centre, June 2006 (r06113). Source: 2004 Household Travel Survey

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8. Journey to Work

Section 8 presents an analysis of the Journey to Work data collected as part of the 2001 Census. The analysis presented includes the travel patterns of the workers living in Contract Region 1, as well as the travel patterns of people employed in Contract Region 1. There is also some discussion of work travel patterns for people both living and working in Region 1.

Destination of work trips for residents of Region 1

For the 208,700 workers living in Region 1, 42% also worked in Region 1, and 15% worked in the adjoining Region of 4. The Sydney CBD employed 4% of all workers living in Region 1.

The number of workers living in Region 1 employed in other Contract Regions noticeably decreases with distance, as shown in the following table.

Workplace Destination for Employees living in Contract Region 1	No. of workers	% of workers
Within Region 1	87,900	42.1%
To Region 4	31,500	15.1%
To Region 6	12,300	5.9%
To Region 3	10,700	5.1%
To Region 7	9,400	4.5%
To Sydney CBD	9,100	4.3%
To Region 13	9,000	4.3%
To Region 9	5,900	2.8%
To Region 8	1,800	0.9%
To Region 2	1,600	0.8%
To Region 12	1,400	0.7%
To Region 5	1,300	0.6%
To Region 10	800	0.4%
To Region 15	700	0.3%
To Region 14	300	0.2%
To Region 11	100	0.0%
Other*	24,800	11.9%
Total	208,700	100.0%

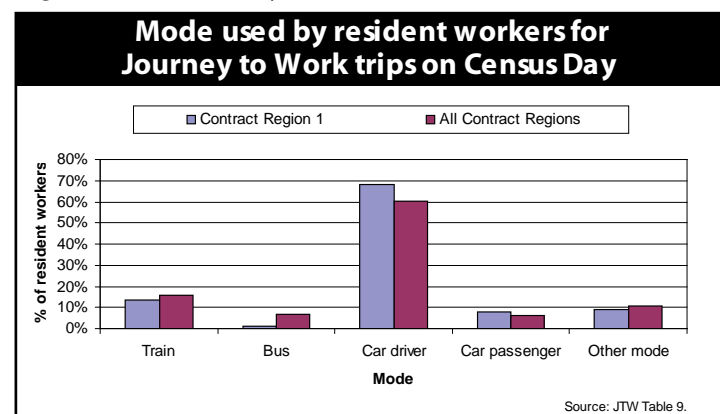
* Includes employees with no fixed workplace address, an unknown workplace address, and people employed outside the 15 Contract Regions

Travelling to work in Centres

Of the workforce living in Region 1 approximately 33% work in major centres. These include Penrith (21%), Parramatta CBD (15%), Sydney CBD (15%) and Blacktown (12%).

Mode used for work trips by residents of Region 1

For the workers living in Region 1, 76% of their trips to work were by car (driver and passenger) compared to 67% across all 15 Regions, as measured by the 2001 Census.



A smaller proportion of workers living in Region 1 travelled to work on Census Day 2001 by public transport compared to all the Regions as a whole. Around 13% of Region 1's workforce travelled to work by train, compared to 16% for all Regions, and only 1% travelled by bus, whilst the average for all Regions was 7%.

Public Transport trips to work by residents of Region 1

The resident workers of Region 1 tended to travel to work by train for longer distance public transport trips, and by bus for more localised trips.

Of the approximately 24,400 residents living in Region 1 who travelled to work by train, most were employed in the Sydney CBD, followed by neighbouring Region 4, and Regions 6 and 9 which adjoin the CBD.

Workplace Destination Contract Region for Employees living in Contract Region 1 Train trips to work	No. of Workers	% of Workers
To Sydney CBD	7,000	28.7%
To Region 4	4,300	17.7%
To Region 6	2,800	11.6%
To Region 9	2,700	11.0%
Within Region 1	2,000	8.2%
To Region 7	1,400	5.7%
To Region 8	900	3.5%
To Region 13	800	3.1%
To all Other Regions	800	3.1%
Other*	1,800	7.3%
Total	24,400	100.0%

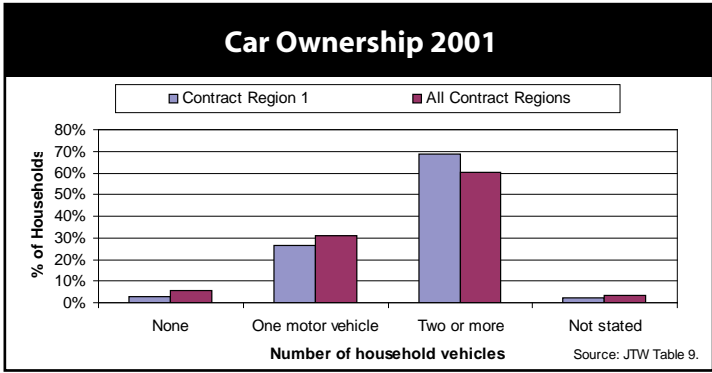
Around 2,300 workers living in Region 1 travelled to work on Census Day by bus. Most travelled to destinations within Region 1, followed by destinations in the adjoining Region 4.

Workplace Destination Contract Region for Employees living in Contract Region 1 Bus trips to work	No. of Workers	% of Workers
Within Region 1	1,500	64.6%
To Region 4	300	13.8%
To Region 7	100	4.3%
To Sydney CBD	100	3.0%
To all Other Regions	100	5.8%
Other*	200	8.5%
Total	2,300	100.0%

* Includes employees with no fixed workplace address, an unknown workplace address, and people employed outside the 15 Contract Regions

Car ownership and mode use by residents of Region 1

The average household car ownership in Region 1 was 1.68 vehicles per household, compared to 1.57 vehicles per household for all Contract Regions. Nearly 70% of resident workers of Region 1 in 2001 lived in households with two or more vehicles, and only 3% lived in households without a vehicle.

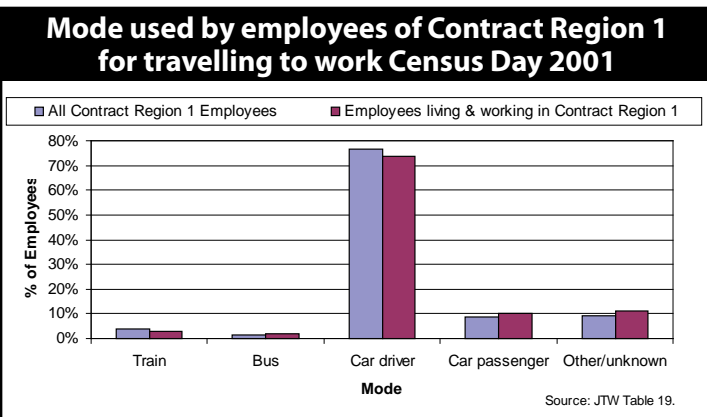


The level of household car ownership and mode used by the resident workforce of Region 1 is presented in the following table. Workers living in households in Region 1 without a car are most likely to travel to work by train, whilst workers living in households with at least one vehicle are most likely to drive themselves to work.

No. of Household Vehicles	JTW Mode Used					Total
	Train	Bus	Car driver	Car passenger	Other	
None	39.2%	6.7%	16.5%	16.9%	20.7%	100.0%
One	21.3%	1.9%	56.1%	11.5%	9.2%	100.0%
Two or more	9.5%	0.7%	75.5%	6.2%	8.1%	100.0%
Not stated	14.1%	2.9%	53.0%	7.5%	22.5%	100.0%
Total	13.5%	1.2%	68.3%	7.9%	9.1%	100.0%

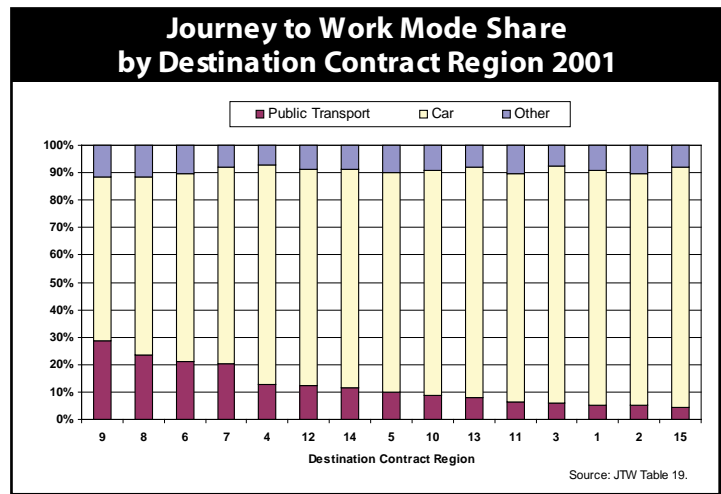
Travelling to work in Region 1

The travel patterns for all workers employed in Contract Region 1, compared to people both living and working in Region 1, are presented in the following graph.



On Census Day 2001 77% of all people employed in Region 1 (includes residents and non-residents) travelled to work as a car driver. For people both living and working in Region 1, 74% drove themselves to work.

Mode use for work trips to all Regions is shown in the following graph – it is ordered by the share of public transport trips.



Public transport use tended to be highest to the inner Contract Regions, and lowest to the outer Regions. Region 1 is ranked 13th of the 15 Regions in the use of public transport for commuting to work.

Employment industry & mode used to travel to work in Region 1

Public transport use is higher for people employed in office and centre related employment industries. Car use is higher for workers employed in manufacturing. These patterns of mode share reflect that office type employment tends to be located in centres which are better serviced by public transport than more dispersed locations where manufacturing employment tends to be located. The following table presents mode share by industry of employment in Region 1.

Employment Industries in CR1	Train	Bus	Car driver	Car passenger	Other	Total
Retail Trade	4.2%	3.4%	69.4%	13.8%	9.2%	100.0%
Manufacturing	3.3%	0.8%	79.2%	9.4%	7.2%	100.0%
Education	2.7%	0.8%	86.8%	5.4%	4.3%	100.0%
Health & Community Services	3.6%	1.5%	81.7%	6.9%	6.3%	100.0%
Property & Business Services	5.1%	1.3%	79.2%	7.8%	6.5%	100.0%
Wholesale Trade	2.8%	0.8%	80.4%	7.8%	8.2%	100.0%
Construction	2.3%	0.3%	72.9%	8.4%	16.1%	100.0%
Government Admin, Defence	6.6%	2.0%	74.8%	6.8%	9.7%	100.0%
Transport and Storage	3.8%	1.9%	66.9%	4.6%	22.8%	100.0%
Accomm, Cafes, Restaurants	3.5%	3.0%	71.2%	12.8%	9.5%	100.0%
Personal and Other Services	3.4%	1.6%	78.6%	8.0%	8.4%	100.0%
Other	4.0%	1.7%	74.5%	7.4%	12.5%	100.0%
Total	3.7%	1.6%	76.7%	8.8%	9.2%	100.0%

9. Trips by Community Transport

The Ministry of Transport estimates that 22,900 Community Transport trips originated in Contract Region 1 in 2004. Most of these trips were provided by a bus (77%) or car (14%) belonging to the three Community Transport organisations operating in the Region. The main purposes for community transport trips were medical appointments/visits (34%), followed by shopping trips (26%).

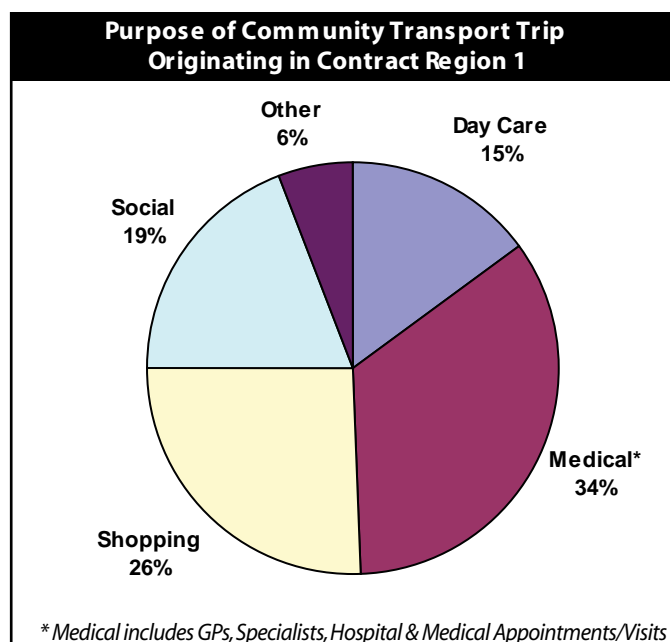
Annual Trips originating in each Contract Region 2004

Contract Region	No. Community Transport Trips Originating in Contract Region (annual trips 2004)*	% Community Transport Trips Originating in Contract Region (annual trips 2004)*
1	22,900	10.3%
2	6,900	3.1%
3	8,600	3.8%
4	12,800	5.7%
5	19,700	8.8%
6	23,000	10.3%
7	26,000	11.7%
8	13,300	6.0%
9	19,500	8.7%
10	22,800	10.2%
11	10,000	4.5%
12	7,800	3.5%
13	15,400	6.9%
14	6,900	3.1%
15	7,300	3.3%
Total	223,000	100.0%

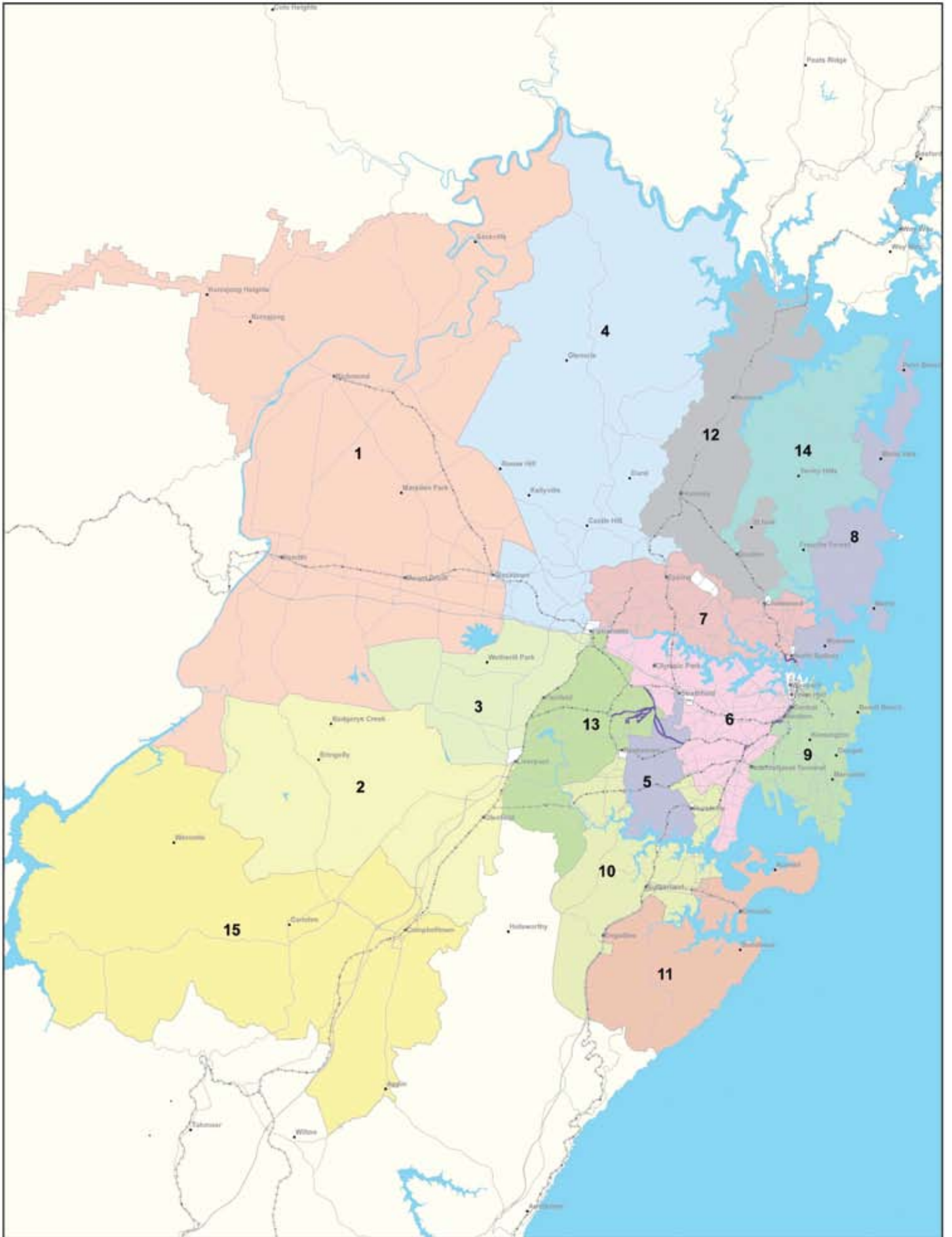
* Multiply by 2 to calculate the total number of one-way trips including originating trips and return journeys. Source: Ministry of Transport 2005

The main destinations for each Community Transport organisation in Region 1 are as follows:

Community Transport Organisation	Main destinations in Contract Region 1
Blacktown Community Transport	Blacktown Hospital, Mt Druitt Shopping Centre, Plumpton Market Place
Great Community Transport (Nepean)	Nepean Hospital and specialists, St Clair Shopping Centre, St Marys Shopping Centre, Penrith Plaza
Hawkesbury Community Transport	Richmond Shopping Centre, Windsor Shopping Centre, Nepean Hospital and specialists, Blacktown Hospital and Blacktown Medical Centre



Appendix 1: Bus Contract Regions in Sydney



Department of Infrastructure, Planning and Natural Resources

Sydney Metropolitan Contract Regions 2005

(c) Map produced by transport and Population Data Centre (Req 05/184)



Appendix 2: Major Shopping Centres in Contract Region 1

Centre	Major Tenants	Major Tenants m ²	No of Specialties	Specialties m ²	Total Retail m ²	Other Tenants	Other Tenants m ²	Office Tenants m ²	Total Centre m ²	Open Car Bays	Enclosed Car Bays	Total Car	Pedestrian pa
At Home Penrith (Homemaker Centre)	Bing Lee, Element Furniture, Forty Winks	4,286	31	21,059	25,345	Warehouse	841	169	26,355	500	528	1,028	
Blacktown Mall		0	12	2,487	2,487		0	0	2,487	0	4	4	
Central Plaza Shopping Centre, Blacktown		0	12	1,149	1,149	Tavern	309	0	1,458	0	65	65	
Centro Nepean	Kmart, Coles	12,754	55	5,762	18,516	Auto Precinct, Restaurants	2,295	0	20,811	802	0	802	
Cranebrook Shopping Centre	IGA Supermarket	1,498	10	935	2,433		0	0	2,433	165	0	165	
Emerton Village Shopping Centre	Woolworths, Go-Lo	3,314	45	5,071	8,385	Jim Den Hardware	311	402	9,098	230	0	230	850,000
Erskine Park Shopping Centre	Franklins	1,455	22	2,635	4,090		0	0	4,090	100	0	100	
Glenmore Park Shopping Centre	Woolworths	4,282	26	2,418	6,700		0	0	6,700	432	0	432	1,142,277
Glenwood Shopping Village	Woolworths	2,540	10	621	3,161		0	0	3,161			0	
Kingswood Park Shopping Centre	Franklins	1,069	7	939	2,008		0	0	2,008	56	0	56	
Lennox Shopping Centre, Emu Plains	Woolworths, Aldi	4,305	41	4,636	8,941		0	0	8,941	430	0	430	
Marketland Shopping Centre, Kingswood	Franklins	1,069	7	939	2,008		0	0	2,008	72	0	72	
Marketown Riverstone	Franklins	1,340	11	943	2,283		0	389	2,672	50	0	50	860,000
Minchinbury Shopping Centre	Rite-Way Supermarket	367	15	1,189	1,556		0	150	1,706	180	0	180	
Penrith Centre Shopping Mall	Rebel Sport	2,243	24	1,381	3,624	Tavern, Dept Fair Trading	1,782	0	5,406	124	20	144	
Penrith Plaza (Westfield Penrith)	Myer, Big W, Target, Woolworths, Franklins, Best & Less	42,949	212	19,764	62,713	Hoyts, Medical Centre, Breast-screen, Digital Diagnostics, Chinese Medicine	5,444	0	68,157	500	3,300	3,800	13,900,000
Plumpton Market Place	Big W, Woolworths	10,903	64	6,416	17,319	Petrol Station	1,012	0	18,331	965	0	965	4,335,277
Richmond Market Place	Big W, Woolworths	11,414	54	5,573	16,987	Petrol Station	663	563	18,213	62	770	832	3,946,800
ShopSmart, Mt Druitt	Trade Secret	2,088	37	6,521	8,609	Rivers, Vacancy	2,746	0	11,355	391	0	391	
Southlands Shopping Centre, Penrith South	Franklins	1,225	26	3,470	4,695		0	0	4,695	271	0	271	
St Clair Shopping Centre	Woolworths	3,800	37	8,084	11,884	RTA, Library, Medical Centre	1,345	0	13,229	392	0	392	4,556,832
St Marys Village Shopping Centre	Target, Woolworths	12,088	44	3,932	16,020	Medical Practice	0	0	16,020	567	0	567	3,100,000
Werrington County Shopping Village	Franklins	1,524	18	2,139	3,663	Petrol Station	2,576	0	6,239	154	0	154	
Westfield Mount Druitt	Myer, Kmart, Bi-Lo, Woolworths, Coles, Joyce Mayne, Best & Less	42,277	176	17,546	59,823	Hoyts Cinema, CarWash, Entertainment, Pad Sites	6,417	798	67,038	2,520	0	2,520	12,900,000
Westpoint Blacktown	Myer, Big W, Woolworths, Target, Spotlight, Rebel Sport, Franklins, Best & Less	31,178	169	21,544	52,722	Hoyts, Health, Timezone	3,361	4,876	60,959	692	2,119	2,811	10,500,000
Winsdor Town Centre	Woolworths	2,294	19	2,523	4,817		0	0	4,817	106	0	106	139,000
Woodcroft Plaza	Coles	2,359	27	2,298	4,657		0	0	4,657	183	0	183	

Appendix 3: Schools in Contract Region 1

Government Schools

School	Suburb	Type	Enrolments
Banks Public School	St Clair	P	423
Barnier Public School	Quakers Hill	P	552
Bennett Road Public School	Colyton	P	555
Bidwill Public School	Bidwill	P	464
Bilpin Public School	Bilpin	P	113
Blackett Public School	Blackett	P	358
Blacktown Boys High School	Blacktown	H	366
Blacktown Girls High School	Blacktown	H	798
Blacktown South Public School	Blacktown	P	737
Blacktown West Public School	Blacktown	P	428
Blackwell Public School	St Clair	P	511
Bligh Park Public School	Bligh Park	P	510
Braddock Public School	Cranebrook	P	335
Caddies Creek Public School	Glenwood	P	492
Cambridge Gardens Public School	Cambridge Park	P	381
Cambridge Park High School	Cambridge Park	H	582
Cambridge Park Public School	Cambridge Park	P	510
Castlereagh Public School	Castlereagh	P	85
Cattai Public School	Cattai	P	55
Chifley College Bidwill Campus	Bidwill	H	605
Chifley College Dunheved Campus	St Marys North	H	447
Chifley College Mount Druitt Campus	Mount Druitt	H	624
Chifley College Senior Campus	Mount Druitt	H	441
Chifley College Shalvey Campus	Shalvey	H	427
Clairgate Public School	St Clair	P	487
Claremont Meadows Public School	Claremont Meadows	P	462
Colo High School	Richmond North	H	1058
Colyton High School	St Marys	H	777
Colyton Public School	Mount Druitt	P	615
Comleroy Road Public School	Kurrajong	P	205
Cranebrook High School	Cranebrook	H	810
Crawford Public School	Doonside	P	683
Dawson Public School	Dharruk	P	363
Doonside High School	Doonside	H	920
Doonside Public School	Doonside	P	194
Eastern Creek Public School	Eastern Creek	P	233
Ebenezer Public School	Ebenezer	P	122
Emerton Public School	Emerton	P	253
Erskine Park High School	Erskine Park	H	889
Evans High School	Blacktown	H	701
Glendenning Public School	Glendenning	P	555
Glenmore Park High School	Glenmore Park	H	833
Glenmore Park Public School	Glenmore Park	P	603
Glenwood High School	Glenwood	H	230
Glossodia Public School	Glossodia	P	271
Grose View Public School	Grose Vale	P	335
Halinda School	Whalan	S	92
Hambledon Public School	Quakers Hill	P	557
Hassall Grove Public School	Hassall Grove	P	810
Hawkesbury High School	Freemans Reach	H	676
Hebersham Public School	Hebersham	P	600
Henry Fulton Public School	Cranebrook	P	264
Hobartville Public School	Hobartville	P	541
James Erskine Public School	Erskine Park	P	693
Jamison High School	Penrith South	H	915
Jamisontown Public School	Penrith South	P	323
Kellyville Ridge Public School	Kellyville Ridge	P	303
Kingswood High School	Kingswood	H	736
Kingswood Park Public School	Kingswood Park	P	128
Kingswood Public School	Kingswood	P	294
Kingswood South Public School	Kingswood	P	282
Kurmond Public School	Kurmond	P	176
Kurrajong East Public School	Kurrajong East	P	146
Kurrajong North Public School	Kurrajong Hills	P	93
Kurrajong Public School	Kurrajong	P	166
Kurrambee School	Werrington	S	100
Lethbridge Park Public School	Lethbridge Park	P	407

School	Suburb	Type	Enrolments
Llandilo Public School	Llandilo	P	251
Londonderry Public School	Londonderry	P	203
Luddenham Public School	Luddenham	P	69
Madang Avenue Public School	Whalan	P	327
Maraylya Public School	Maraylya	P	92
Marayong Heights Public School	Marayong	P	283
Marayong Public School	Blacktown	P	576
Marayong South Public School	Blacktown	P	310
Marsden Park Public School	Marsden Park	P	85
Minchinbury Public School	Minchinbury	P	596
Mitchell High School	Blacktown	H	997
Mount Druitt Public School	Mount Druitt	P	416
Mulgoa Public School	Mulgoa	P	60
Niland School	Blackett	S	51
Noumea Public School	Shalvey	P	532
Oakville Public School	Oakville	P	353
Orchard Hills Public School	Orchard Hills	P	67
Oxley Park Public School	St Marys	P	435
Parklea Public School	Glenwood Park	P	558
Penrith High School	Penrith	H	897
Penrith Public School	Penrith	P	352
Penrith South Public School	Penrith	P	404
Pitt Town Public School	Pitt Town	P	139
Plumpton High School	Plumpton	H	1021
Plumpton House School	Plumpton	S	44
Plumpton Public School	Plumpton	P	513
Putland School	Werrington	S	47
Quakers Hill East Public School	Acacia Gardens	P	522
Quakers Hill High School	Quakers Hill	H	941
Quakers Hill Public School	Quakers Hill	P	637
Regentville Public School	Regentville	P	606
Richmond High School	Richmond	H	783
Richmond North Public School	Richmond North	P	238
Richmond Public School	Richmond	P	290
Riverstone High School	Riverstone	H	418
Riverstone Public School	Riverstone	P	331
Rooty Hill High School	Rooty Hill	H	928
Rooty Hill Public School	Rooty Hill	P	584
Samuel Terry Public School	Cranebrook	P	477
Schofields Public School	Schofields	P	321
Shalvey Public School	Shalvey	P	550
St Clair High School	St Clair	H	1023
St Clair Public School	St Clair	P	270
St Marys North Public School	St Marys	P	368
St Marys Public School	St Marys	P	199
St Marys Senior High School	St Marys	H	837
St Marys South Public School	St Marys	P	273
Surveyors Creek Public School	Glenmore Park	P	404
Tregear Public School	Tregear	P	444
Vineyard Public School	Vineyard	P	55
Wallacia Public School	Wallacia	P	93
Walters Road Public School	Blacktown	P	575
Warragamba Public School	Warragamba	P	420
Werrington County Public School	Werrington	P	321
Werrington Public School	Werrington	P	406
Whalan Public School	Whalan	P	492
Wilberforce Public School	Wilberforce	P	279
William Dean Public School	Dean Park	P	340
Willmot Public School	Willmot	P	274
Windsor High School	McGraths Hill	H	675
Windsor Park Public School	South Windsor	P	315
Windsor Public School	Windsor	P	256
Windsor South Public School	Windsor South	P	174
Wisemans Ferry Public School	Wisemans Ferry	P	62
Wyndham College	Quakers Hill	H	611
York Public School	Penrith South	P	387

Appendix 3: Schools in Contract Region 1

Non-Government Schools

School	Suburb	Type	Enrolments
Allowera Christian School	Riverstone	C	n/a
Arndell Anglican College	Oakville	C	890
Australian Islamic College of Sydney	Mount Druitt	C	n/a
Bede Polding College	South Windsor	H	1250
Bethany Catholic Primary School	Glenmore Park	P	n/a
Bethany Christian School	Prospect	C	n/a
Bethel Christian School	Mount Druitt	C	270
Blacktown Youth College (Bidwill Campus)	Bidwill	H	n/a
Blacktown Youth College (Blacktown Campus)	Blacktown	H	n/a
Blacktown Youth College (Penrith Campus)	Penrith	H	n/a
Caroline Chisholm College	Glenmore Park	H	970
Chisholm Catholic Primary School	Bligh Park	P	n/a
Christadelphian Heritage College Sydney	Kemps Creek	C	215
Clare Catholic High School	Hassall Grove	H	n/a
Corpus Christi Primary School	Cranebrook	P	580
Coverdale Christian School	Riverstone	C	1000
Emmanuel Catholic College	Kemps Creek	H	1150
Good Shepherd Primary School	Hoxton Park	P	n/a
Hawkesbury Independent School	Kurrajong	P	n/a
Holy Cross Primary School	Glenwood	P	n/a
Holy Family Primary School	Granville East	P	n/a
Holy Family Primary School	Luddenham	P	n/a
Holy Spirit Primary School	Carnes Hill	P	n/a
John XXIII Catholic Primary School	Stanhope Gardens	P	n/a
Kindalin Christian School	Castlereagh	C	250
Kuyper Christian School	North Richmond	C	250
Loyola Senior High School	Mount Druitt	H	n/a
Mamre Christian College	Erskine Park	C	350
Mary Immaculate Primary School	Quakers Hill	P	800
Mary MacKillop Primary School	South Penrith	P	n/a
Mountain View Adventist College	Doonside	C	271
Nagle College	Blacktown South	H	630
Nepean Christian School	Mulgoa	C	300
Orchard Hills Preparatory School	Orchard Hills	P	190
Our Lady of The Rosary Infants School	St Marys	P	n/a
Our Lady of The Rosary Primary School	Kellyville	P	620
Patrician Brothers' College Blacktown	Blacktown	H	1050
Penrith Anglican College	Orchard Hills	C	950
Penrith Christian Community School	Orchard Hills	C	600
Richard Johnson Anglican School	Oakhurst	C	440
Rouse Hill Anglican College	Rouse Hill	C	570
Sacred Heart Primary School	Westmead	P	200
St Agnes Catholic High School	Rooty Hill	H	n/a
St Aidan's Primary School	Rooty Hill	P	n/a
St Andrews College	Marayong	H	1200
St Andrews Primary School	Marayong	P	n/a
St Bishoy Coptic Orthodox College	Mount Druitt	C	n/a
St Dominic's College	Kingswood	H	1150
St Dominic's College - Obley Education Centre	St Marys	H	n/a
St Francis of Assisi Primary School	Glendenning	P	n/a
St John Vianney's Primary School	Doonside	P	n/a
St John's Primary School	Riverstone	P	n/a
St Joseph's Primary School	Kingswood	P	n/a
St Joseph's Primary School	Schofields	P	400
St Matthew's Primary School	Windsor	P	340
St Michael's Primary School	Blacktown South	P	n/a
St Monica's Primary School	Richmond	P	n/a
St Nicholas of Myra Primary School	Penrith	P	200
St Patrick's Primary School	Guildford	P	575
St Paul's Grammar School	Cranebrook	C	1250
Terra Sancta College (Quakers Hill Campus)	Quakers Hill	H	300

School	Suburb	Type	Enrolments
Terra Sancta College (Schofields Campus)	Schofields	H	680
Trinity Catholic Primary School	Kemps Creek	P	n/a
Tyndale Christian School	Blacktown	C	950
Western Sydney School for Children with Autism - Blacktown	Blacktown	S	n/a
Western Sydney School for Children with Autism - Bourke Street, Richmond	Richmond	S	n/a
Western Sydney School for Children with Autism - Breakfast Road, Marayong	Marayong	S	n/a
Western Sydney School for Children with Autism - Quakers Road, Marayong	Marayong	S	n/a
Western Sydney School for Children with Autism - Windsor Street, Richmond	Richmond	S	n/a
Xavier College	Llandilo	H	750

Key

H - High School P - Primary C - Combined S - Special n/a - Not available

Sources:

Government Schools Information - NSW Department of Education & Training
Directory 2006 (CD-Rom)

Non Government School names -

www.2.boardofstudies.nsw.edu.au/links_schools/state_list.cfm?state=NSW
(Accessed May 2006)

Non Government Enrolment information - www.isd.com.au (Accessed May 2006)
& "Your complete guide to secondary schooling in NSW"

Appendix 4: Aged Care Facilities – Low Care Accommodation in Contract Region 1

Name	Address	Suburb	State	Postcode	Residential low care places*
Brother Alberts Home	116-132 Quakers Road	MARAYONG	NSW	2148	30
Edinglassie Lodge	Village Crescent	PENRITH	NSW	2750	65
Emmaus Village Hostel	85 Bakers Lane	KEMPS CREEK	NSW	2171	64
Fitzgerald Memorial Hostel	1 Rum Corps Lane	WINDSOR	NSW	2756	48
Hawkesbury Hostel	Cnr Chapel St & Kurrajong Rd	RICHMOND	NSW	2753	62
Hawkesbury Village Nursing Home	Chapel Street	RICHMOND	NSW	2753	9
Jamison Gardens Aged Care Centre	366 Jamison Road	PENRITH	NSW	2750	40
Kingswood Court Aged Care Facility	29 George Street	KINGSWOOD	NSW	2747	10
Lemongrove Gardens Hostel	32 Gascoigne Street	PENRITH	NSW	2750	46
Minchinbury Manor	Cnr John St & Rupertswood Rd	ROOTY HILL	NSW	2766	51
Mullauna Village Hostel	61 Bungarabee Road	BLACKTOWN	NSW	2148	64
Our Lady of Consolation Home	32 Evans Road	ROOTY HILL	NSW	2766	173
Residential Gardens	420 Woodstock Avenue	ROOTY HILL	NSW	2766	44
Southern Cross St Francis Apartments	Southern Cross Village 122 Hyatts Road	PLUMPTON	NSW	2761	40
St Dominics Hostel	171 Walters Road	BLACKTOWN	NSW	2148	50
St Elizabeth Home Hostel	1 Symonds Road	DEAN PARK	NSW	2761	65
St Hedwig Hostel	140 Reservoir Road	BLACKTOWN	NSW	2148	58
St Hedwig Nursing Home	140 Reservoir Road	BLACKTOWN	NSW	2148	25
St Marys Aged Care Centre	57 Saddington Street	ST MARYS	NSW	2760	28
St Simeon Village	261 Hyatts Road	ROOTY HILL	NSW	2766	41

Source: [www.health.gov.au/internet/wcms/publishing.nsf/Content/DADD1CBAB872C833CA256FEF001F4E89/\\$File/nsw.xls](http://www.health.gov.au/internet/wcms/publishing.nsf/Content/DADD1CBAB872C833CA256FEF001F4E89/$File/nsw.xls) (accessed May 2006)

Information & Coverage

The area covered by this Contract Region, while following geographical features and some local government boundaries, is largely for administrative purposes and is likely to cut across travel patterns and through some communities.

Population, employment and travel information is coded to units (travel zones), some of which straddle the Contract Region's boundaries. Other information might be coded to even larger units such as local government areas, which cut across boundaries. There will be some residents and employees of adjoining Contract Regions that will be affected by decisions relating to Contract Region 1, because they live or work or go to school close to, but outside, the boundary.

Information has been obtained from different sources, which are not necessarily completely consistent, but it provides useful background information to generally assist the bus service planning process. However, care must be taken in the use of the information and readers are referred to the source of particular information of interest for further explanation of collection methods and other possible limitations.

Sources of Information

The main sources of data in this publication are:

- Australian Bureau of Statistics – 2001 Census of Population & Housing (Provided by Transport & Population Data Centre - NSW Department of Planning): population and demographic data
- CityRail – A Compendium of CityRail Travel Statistics (April 2006): Train Station Passenger Counts
- Local Council websites: LGA profile information
- Federal Department of Health website: Aged Care data
- NSW Department of Education & Training 2006 Directory (CD-Rom) – Government Schools data
- NSW Board of Studies – Non Government Schools data
- Property Council of Australia – NSW/ACT Shopping Centre Directory 2005
- NSW Department of Planning – City of Cities: A plan for Sydney's future (Dec 2005) – Centres
- Transport & Population Data Centre (NSW Department of Planning) – Household Travel Survey, Journey to Work data, Facilities data, Geographic data

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