

Community Profile Analysis Sydney Metropolitan CMA Region

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Report 4 Place Profile Northern Bushy Burbs and Beaches



September 2012



Catchment Management
Authority
Sydney Metropolitan

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Prepared For: Sydney Metropolitan Catchment Management Authority

This report has been prepared by Bruce Boyes Consulting www.bruceboyes.info to assist the Sydney Metropolitan Catchment Management Authority (CMA) develop an upgraded Catchment Action Plan (CAP) and to provide reference information for other Sydney Metropolitan CMA activities.

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Report series: This report is one of a series of ten Community Profile Analysis reports prepared for the Sydney Metropolitan CMA region:

- Report 1 Regional Profile
- Report 2 Place Profile Cooks River Catchment
- Report 3 Place Profile Georges River and Botany Bay
- **Report 4 Place Profile Northern Bushy Burbs and Beaches**
- Report 5 Place Profile Parramatta River
- Report 6 Place Profile Port Hacking and Southern Wilderness
- Report 7 Place Profile South-west Peri-urban
- Report 8 Place Profile Sydney City, Harbour and Beaches
- Report 9 Place Profile Western Sydney Woodlands
- Report 10 Appendix of Tables.

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Summary

This Community Profile Analysis has been prepared to assist the Sydney Metropolitan Catchment Management Authority (CMA) develop an upgraded Catchment Action Plan and to provide reference information for other Sydney Metropolitan CMA activities.

The Sydney Metropolitan CMA has defined eight 'Places' within the CMA region based on social, economic and ecological criteria. These places are: Cooks River Catchment; Georges River and Botany Bay; Northern Bushy Burbs and Beaches; Parramatta River; Port Hacking and Southern Wilderness; South-west Peri-urban; Sydney City, Harbour and Beaches; and Western Sydney Woodlands.

The Community Profile Analysis comprises a series of ten reports covering both the overall Sydney Metropolitan CMA region (Report 1) and each of the eight Places (Reports 2 to 9). There is also an Appendix of Tables (Report 10). This specific report (Report 4) provides information about the Northern Bushy Burbs and Beaches Place, and should be used in conjunction with *Report 1 Regional Profile*.

Key findings for Northern Bushy Burbs and Beaches include:

- In 2006 the **population** of Northern Bushy Burbs and Beaches was 446367, and in 2011 was 476744, a **population growth** of 6.81%. In 2011 Northern Bushy Burbs and Beaches had the third highest population of the eight CMA Places, and from 2006-2011 had the fourth highest population growth.
- In 2011 Northern Bushy Burbs and Beaches had the fifth highest **population density** of the eight CMA Places, and the fourth highest increase in population density between 2006 and 2011.
- The female population is higher than the male population in all eight CMA Places and the overall Sydney Metropolitan CMA region. The **gender imbalance** is greatest in Northern Bushy Burbs and Beaches CMA Place (female population 6.22% higher than male population).
- In 2011 the **Indigenous population** of Northern Bushy Burbs and Beaches was 1497, which is 0.31% of the total population.
- The five countries from which the largest proportion of **people born outside Australia** in Northern Bushy Burbs and Beaches originate are (in order of highest to lowest proportion): United Kingdom, Channel Islands and Isle of Man; China excluding Special Administrative Regions and Taiwan; Hong Kong Special Administrative Region of China; Republic of South Korea; and New Zealand.
- The five **languages other than English spoken at home** by the highest proportion of people in Northern Bushy Burbs and Beaches are (in order of highest to lowest proportion): Chinese Languages - Cantonese; Chinese Languages - Mandarin; Korean; Italian; and Japanese.
- Northern Bushy Burbs and Beaches has the highest proportion of **high income households** of all eight CMA Places, with 31.38% of households receiving \$3000 per week or more.

- Northern Bushy Burbs and Beaches has higher proportions of **people employed in the industries** of property and business services; education; health and community services; finance and insurance; and wholesale trade than the overall Sydney Metropolitan CMA region, and lower proportions of people employed in the manufacturing and transport and storage industries. There are very low proportions of people working in the mining and agriculture, forestry and fishing industries in Northern Bushy Burbs and Beaches.
- The five **industries with the highest total business numbers** in Northern Bushy Burbs and Beaches are professional, scientific and technical services; rental, hiring and real estate services; construction; financial and insurance services; and health care and social assistance.
- Northern Bushy Burbs and Beaches has the second highest proportion of people with Bachelor Degree level **qualifications** of all eight CMA Places (17.43%).
- Northern Bushy Burbs and Beaches has the highest proportion of outright **dwelling ownership** of all eight CMA Places.
- In Northern Bushy Burbs and Beaches, 80.97% of dwellings have a broadband **internet connection**, the highest proportion of all eight CMA Places, with only 2.17% of dwellings still having a dial up connection. 11.47% of dwellings have no internet connection, the lowest proportion of all eight CMA Places.
- The 2008 BankWest Quality of Life survey of 590 Local Government areas across Australia found that different areas of Sydney vary greatly in their **quality of life**.
- A study by the Australian Housing and Urban Research Institute (AHURI) found that the Marrickville and Randwick Local Government areas and the Concord part of the Canada Bay Local Government area experienced the most rapid **gentrification** in the Sydney region in the decade to 2006. The identified areas of gentrification in the Sydney region are not within Northern Bushy Burbs and Beaches. However because gentrification causes low income owners and renters to be diverted over time to other locations the impacts of the gentrification are likely to be being felt in other CMA Places including Northern Bushy Burbs and Beaches.
- Northern Bushy Burbs and Beaches has the highest proportion of **volunteers** of all eight CMA Places (21.22%).

1 Introduction

1.1 Purpose of this report

This Community Profile Analysis report has been prepared to assist the Sydney Metropolitan Catchment Management Authority (CMA) develop an upgraded Catchment Action Plan and to provide reference information for other Sydney Metropolitan CMA activities.

The Sydney Metropolitan CMA is required to apply 'systems thinking' in upgrading its Catchment Action Plan (NRC 2012). Systems thinking has emerged as a new approach to natural resource management, and frames landscapes as dynamic systems with interacting social and ecological parts. To inform systems thinking, the CMA needs a better understanding of the current socio-economic status of its community and their attitudes towards the environment.

1.2 Report structure

To assist the implementation of systems thinking, the Sydney Metropolitan CMA has defined eight 'Places' within the CMA region based on social, economic and ecological criteria. These Places are shown in Figure 1.

The Community Profile Analysis comprises a series of reports covering both the overall Sydney Metropolitan CMA region (Report 1) and each of the eight Places (Reports 2 to 9). There is also an Appendix of Tables (Report 10).

This specific report (Report 4) provides information about the Northern Bushy Burbs and Beaches Place, and should be used in conjunction with *Report 1 Regional Profile*.

1.3 Analysis approach

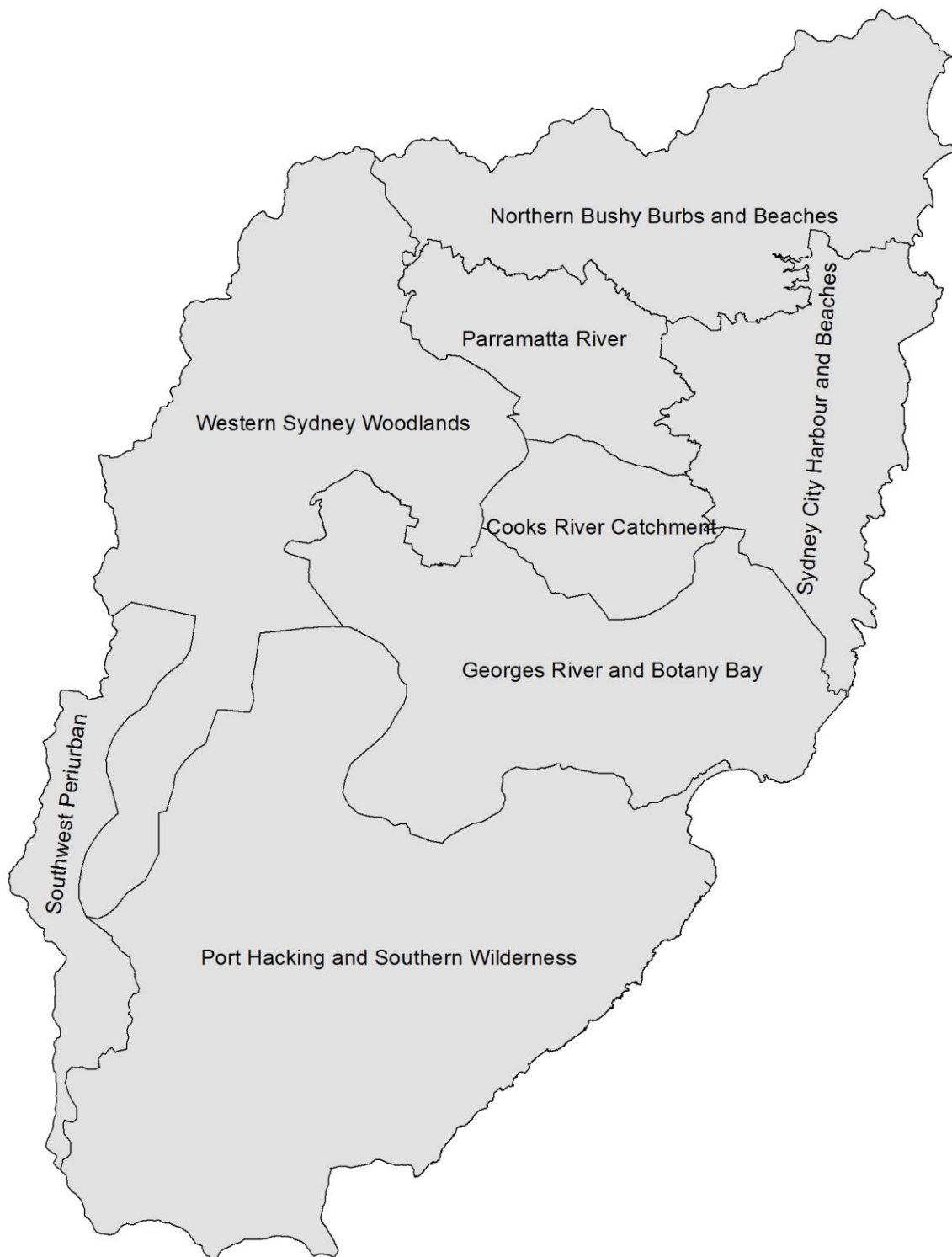
The Community Profile Analysis has been prepared using:

- Australian Bureau of Statistics (ABS) 2011 Census data at Statistical Area Level 1 (SA1) level
- Australian Bureau of Statistics (ABS) 2006 Census data at Collection District (CD) level
- other Australian Bureau of Statistics (ABS) data and publications
- statistics and references from sources other than the Australian Bureau of Statistics.

Until 2006 the Collection District (CD) was the smallest geographical area for which Australian Bureau of Statistics (ABS) Census data was available. From 2011 Collection Districts (CDs) were replaced with Statistical Areas Level 1 (SA1s) as part of the new Australian Statistical Geography Standard (ASGS) developed by the ABS for the collection and dissemination of geographic statistics (ABS 2011a). The SA1 has been designed as the smallest unit for the processing and release of Census data. SA1s are designed to remain relatively constant over several Censuses.

To assist analysis of Census data at Statistical Area Level 1 (SA1) and Collection District (CD) level, the Sydney Metropolitan CMA prepared and provided CD and SA1 Geographic Information System (GIS) maps of each of the eight Places.

Figure 1 The eight 'Places' that have been defined within the Sydney Metropolitan CMA region based on social, economic and ecological criteria



Two types of Australian Bureau of Statistics (ABS) population statistics are used in this Community Profile Analysis: place of usual residence and estimated resident population.

Place of usual residence (ABS 2011b) is used when conducting a Census data analysis such as this Community Profile Analysis. However, the estimated resident population (ERP) (ABS 2011c) is the official measure of the population of Australia. In the Census year, the ERP is first calculated at the Census date (9 August for the 2011 Census), and then backdated to calculate the ERP at 30 June of the Census year. In the compilation of the 30 June ERP for a Census year, important adjustments are made to the Census count based on place of usual residence.

All population statistics in this report are place of usual residence unless otherwise stated. It is important to note that the place of usual residence statistics in this report should not be quoted as an official population measure.

1.4 Local Government area and regional statistics

Some relevant statistics for Local Government areas and larger Sydney regions than the Sydney Metropolitan region have been used in this Community Profile Analysis. The larger Sydney regions include Greater Sydney and the Sydney tourism region.

Because the eight CMA Places have been defined on the basis of social, economic and ecological criteria they do not follow Local Government boundaries. Because of this, the use of Local Government area statistics needs to consider the proportions of each Local Government area within each Place. The Local Government areas within Northern Bushy Burbs and Beaches are shown in Table 1. If the proportion of Local Government area was less than 1% it has not been included in the table.

Table 1 Local Government areas within Northern Bushy Burbs and Beaches

| Local Government | Total Local Government area (km ²) | Local Government area within Place (km ²) | Proportion of Local Government area within Place |
|------------------|------------------------------------------------|-------------------------------------------------------|--------------------------------------------------|
| Willoughby | 22.42932478 | 21.82352915 | 97.30% |
| Warringah | 149.3532231 | 91.67931558 | 61.38% |
| Ku-ring-gai | 85.39763837 | 51.44073348 | 60.24% |
| Ryde | 40.47293292 | 22.11361331 | 54.64% |
| Lane Cove | 10.47954724 | 5.502545991 | 52.51% |
| Pittwater | 90.32841948 | 13.92961956 | 15.42% |
| Parramatta | 61.35648939 | 7.171805234 | 11.69% |
| The Hills Shire | 400.4501263 | 27.44731841 | 6.85% |
| Hornsby | 462.107371 | 20.76727284 | 4.49% |

2 Population profile

2.1 Total population

The total population of Northern Bushy Burbs and Beaches in 2006 and 2011 is shown in Table 2 (ABS 2012a, 2012b). Table 2 also shows 2006-2011 population growth for Northern Bushy Burbs and Beaches in comparison to the overall Sydney Metropolitan CMA region.

In 2011 Northern Bushy Burbs and Beaches had the third highest population of the eight CMA Places, and from 2006-2011 had the fourth highest population growth.

Table 2 Northern Bushy Burbs and Beaches population in 2006 and 2011 and population growth 2006-2011 (ABS 2012a, 2012b)

| | |
|------------------------------------------------------------------|--------|
| Population 2006 | 446367 |
| Population 2011 | 476744 |
| Population growth 2006-2011 | 6.81% |
| Comparative population growth for Sydney Metropolitan CMA region | 6.74% |

The estimated resident population (ERP) growth from 2001 to 2011 of Local Government areas across Northern Bushy Burbs and Beaches is shown in Table 3 (ABS 2012c). These population figures are for the whole of each Local Government area, including parts of some Local Government areas outside Northern Bushy Burbs and Beaches, so their use needs to consider the information in Section 1.4 **Error! Reference source not found.** of this report.

Table 3 Estimated resident population (ERP) growth from 2001 to 2011 of Local Government areas across Northern Bushy Burbs and Beaches (ABS 2012c)

| Local Government | Estimated resident population (ERP) growth for whole of each Local Government area (pr = preliminary ABS estimates) | | | | | |
|------------------|---------------------------------------------------------------------------------------------------------------------|-----------------|----------------------|------------------------------------|----------------------------------|-------------------------------------------------|
| | Population 2001 | Population 2006 | Population 2011 (pr) | 2001-2011 population increase (pr) | 2001-2011 population growth (pr) | Average annual population growth 2001-2011 (pr) |
| Willoughby | 61795 | 66891 | 71637 | 9842 | 15.9% | 1.5% |
| Warringah | 136175 | 139163 | 147611 | 11436 | 8.4% | 0.8% |
| Ku-ring-gai | 107655 | 105103 | 114704 | 7049 | 6.5% | 0.6% |
| Ryde | 99151 | 100962 | 108371 | 9220 | 9.3% | 0.9% |
| Lane Cove | 32086 | 31721 | 33197 | 1111 | 3.5% | 0.3% |
| Pittwater | 56390 | 56595 | 60260 | 3870 | 6.9% | 0.7% |
| Parramatta | 147882 | 153891 | 174554 | 26672 | 18.0% | 1.7% |
| The Hills Shire | 146045 | 165143 | 176986 | 30941 | 21.2% | 1.9% |
| Hornsby | 153200 | 156808 | 163865 | 10665 | 7.0% | 0.7% |
| Totals | 940379 | 976277 | 1E+06 | 110806 | 11.8% | 1.1% |

The population in 2006 and 2011 and population growth for 2006-2011 for the overall Sydney Metropolitan CMA region can be found in the Regional Profile (Report 1 in this report series). The estimated resident population (ERP) growth from 2001-2011 of Local Government areas in each of the eight Sydney Metropolitan CMA Places can be found in the separate Place Reports (Reports 2 to 9 in this report series). A detailed table showing annual estimated resident population (ERP) for 2001-2011 for all Local Government areas across the Sydney Metropolitan CMA region can be found in the Appendix of Tables (Report 10 in this report series).

2.2 Population density

The population density in 2006 and 2011 and increase in population density between 2006 and 2011 for Northern Bushy Burbs and Beaches are shown in Table 4 (ABS 2012a, 2012b).

In 2011 Northern Bushy Burbs and Beaches had the fifth highest population density of the eight CMA Places, and the fourth highest increase in population density between 2006 and 2011.

Table 4 Population density in 2006 and 2011 and increase in population density between 2006 and 2011 for Northern Bushy Burbs and Beaches (ABS 2012a, 2012b).

| | |
|---------------------------------------------------------------------------|----------|
| Place Area (km ²) | 266.0747 |
| Population 2006 | 446367 |
| Density 2006 | 1677.6 |
| Population 2011 | 476744 |
| Density 2011 | 1791.767 |
| Density increase 2006-2011 | 6.81% |
| Comparative density increase 2006-2011 for Sydney Metropolitan CMA region | 6.74% |

The population density in 2006 and 2011 and increase in population density between 2006 and 2011 for the overall Sydney Metropolitan CMA region can be found in the Regional Profile (Report 1 in this report series), and for each of the eight Sydney Metropolitan CMA Places can be found in the separate Place Reports (Reports 2 to 9 in this report series).

2.3 Gender balance

The gender balance of Northern Bushy Burbs and Beaches in 2011 is shown in Table 5 (ABS 2012a).

The female population is higher than the male population in all eight Places and the overall Sydney Metropolitan CMA region. The gender imbalance is greatest in Northern Bushy Burbs and Beaches CMA Place (female population 6.22% higher than male population).

Table 5 Gender balance of Northern Bushy Burbs and Beaches in 2011 (ABS 2012a)

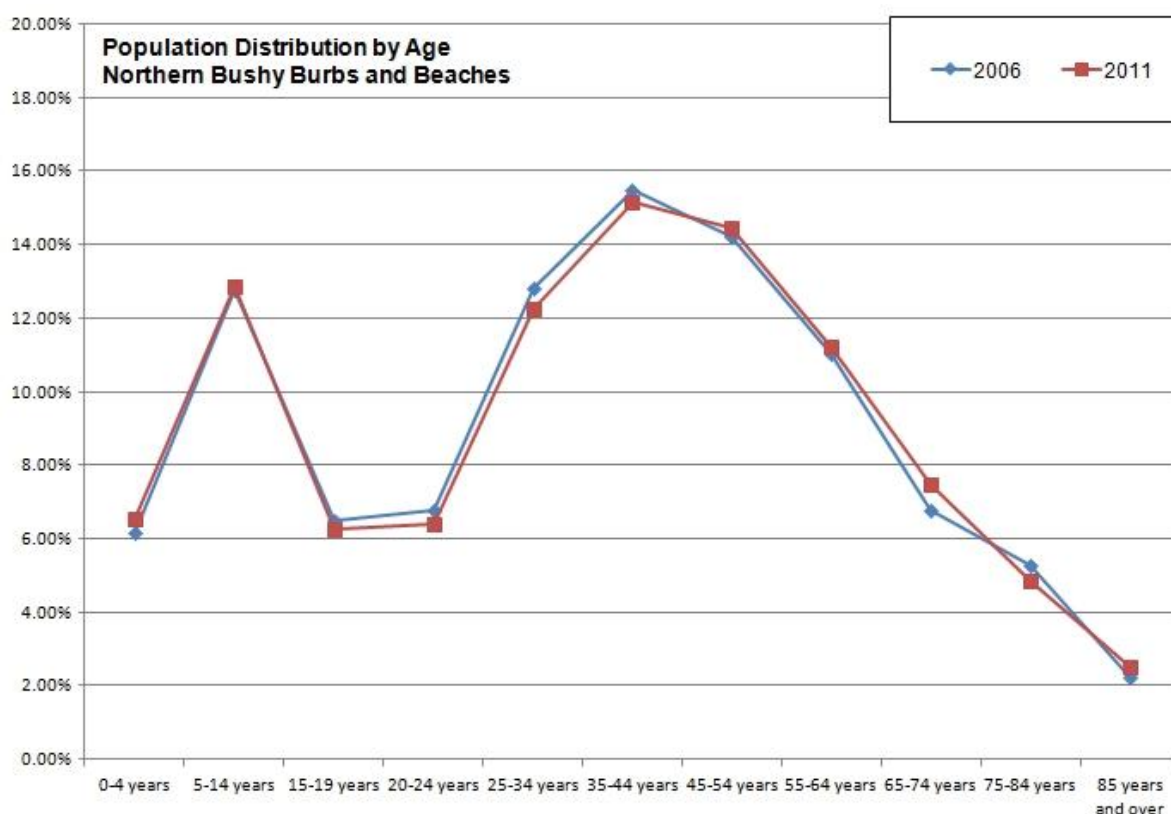
| | |
|--------------------------------------------------------------------------------------------------------------------|--------|
| Males | 231185 |
| Females | 245559 |
| Proportion by which female population is higher than male population | 6.22% |
| Comparative proportion by which female population is higher than male population in Sydney Metropolitan CMA region | 2.81% |

The gender balance in 2011 for the overall Sydney Metropolitan CMA region can be found in the Regional Profile (Report 1 in this report series), and for each of the eight Sydney Metropolitan CMA Places can be found in the separate Place Reports (Reports 2 to 9 in this report series).

2.4 Age distribution

The population age distribution for Northern Bushy Burbs and Beaches in 2006 and 2011 is shown in Figure 2 (ABS 2012a, 2012b).

Figure 2 Population age distribution for Northern Bushy Burbs and Beaches in 2006 and 2011 (ABS 2012a, 2012b)



The population age distribution for the overall Sydney Metropolitan CMA region in 2011 can be found in the Regional Profile (Report 1 in this report series), and for each of the eight Sydney Metropolitan CMA Places can be found in the separate Place Reports (Reports 2 to

9 in this report series). Detailed tables showing numbers and proportions of people for each of the age levels can be found in the Appendix of Tables (Report 10 in this report series).

2.5 Family structure

The family structure of Northern Bushy Burbs and Beaches in 2011 is shown in Table 6 (ABS 2012d).

Table 6 Family structure of Northern Bushy Burbs and Beaches in 2011 (ABS 2012d)

| | |
|----------------------------------|--------|
| Couple families with no children | 43576 |
| Couple families with children | 68555 |
| One parent families | 15389 |
| Other families | 2047 |
| Total families | 129567 |

The family structure for the overall Sydney Metropolitan CMA region in 2011 can be found in the Regional Profile (Report 1 in this report series), and for each of the eight Sydney Metropolitan CMA Places can be found in the separate Place Reports (Reports 2 to 9 in this report series). A detailed family structure table can be found in the Appendix of Tables (Report 10 in this report series).

2.6 Indigenous population

The Indigenous population of Northern Bushy Burbs and Beaches in 2011 is shown in (ABS 2012a)

Table 7 Indigenous population of Northern Bushy Burbs and Beaches in 2011 (ABS 2012a)

| | |
|------------------------------------------------------------------------------------------|--------|
| Aboriginal population | 1343 |
| Torres Strait Islander population | 106 |
| Both Aboriginal and Torres Strait Islander population | 48 |
| Total Indigenous population | 1497 |
| Total Place population | 476744 |
| Indigenous proportion of total population | 0.31% |
| Comparative Indigenous proportion of total population for Sydney Metropolitan CMA region | 0.86% |

The Indigenous population in 2011 for the overall Sydney Metropolitan CMA region can be found in the Regional Profile (Report 1 in this report series), and for each of the eight Sydney Metropolitan CMA Places can be found in the separate Place Reports (Reports 2 to 9 in this report series). A detailed table showing the gender balance of the Indigenous population can be found in the Appendix of Tables (Report 10 in this report series).

2.7 Ethnicity (country of birth)

The country of birth of people in Northern Bushy Burbs and Beaches is shown in Table 8 (ABS 2012e). The ten countries from which the highest proportion of people born outside Australia in Northern Bushy Burbs and Beaches originate are (in order of highest to lowest proportion):

1. United Kingdom, Channel Islands and Isle of Man
2. China excluding Special Administrative Regions and Taiwan
3. Hong Kong Special Administrative Region of China
4. Korea Republic of South
5. New Zealand
6. India
7. South Africa
8. Malaysia
9. Italy
10. Philippines

Northern Bushy Burbs and Beaches has a slightly lower proportion of people born outside Australia (39.65%) than the overall Sydney Metropolitan CMA region (44.74%).

Table 9 compares the ten countries from which the highest proportion of people born outside Australia in Northern Bushy Burbs and Beaches originate with the overall Sydney Metropolitan CMA region.

Table 8 Country of birth listed in order of highest to lowest number of people (ABS 2012e)

| Country of birth | People in Northern Bushy Burbs and Beaches | Proportion of Place population |
|-----------------------------------------------------------|--------------------------------------------|--------------------------------|
| Australia | 287717 | 60.35% |
| United Kingdom, Channel Islands and Isle of Man | 27521 | 5.77% |
| China excluding Special Administrative Regions and Taiwan | 25485 | 5.35% |
| Hong Kong Special Administrative Region of China | 11114 | 2.33% |
| Korea Republic of South | 10011 | 2.10% |
| New Zealand | 9585 | 2.01% |
| India | 7890 | 1.66% |
| South Africa | 6529 | 1.37% |
| Malaysia | 4914 | 1.03% |
| Italy | 3958 | 0.83% |
| Philippines | 3807 | 0.80% |
| United States of America | 3400 | 0.71% |
| Japan | 2994 | 0.63% |
| Sri Lanka | 2867 | 0.60% |
| Indonesia | 2782 | 0.58% |
| Germany | 2562 | 0.54% |

| Country of birth | People in Northern Bushy Burbs and Beaches | Proportion of Place population |
|------------------------------------------|--------------------------------------------|--------------------------------|
| Singapore | 1938 | 0.41% |
| Vietnam | 1753 | 0.37% |
| Ireland | 1713 | 0.36% |
| Netherlands | 1578 | 0.33% |
| Lebanon | 1496 | 0.31% |
| Canada | 1469 | 0.31% |
| Thailand | 1349 | 0.28% |
| Croatia | 1235 | 0.26% |
| Poland Persons | 1213 | 0.25% |
| Egypt | 1101 | 0.23% |
| Fiji | 1018 | 0.21% |
| Greece | 751 | 0.16% |
| Turkey | 625 | 0.13% |
| South Eastern Europe not further defined | 540 | 0.11% |
| Bosnia and Herzegovina | 290 | 0.06% |
| Malta | 289 | 0.06% |
| Iraq | 252 | 0.05% |
| Former Yugoslav Republic of Macedonia | 225 | 0.05% |
| Cambodia | 176 | 0.04% |
| Born elsewhere | 25659 | 5.38% |
| Country of birth not stated | 18921 | 3.97% |

Table 9 Comparison of the ten countries from which the highest proportion of people born outside Australia in Northern Bushy Burbs and Beaches originate with the overall Sydney Metropolitan CMA region (in order of highest to lowest proportion)

| Northern Bushy Burbs and Beaches | Sydney Metropolitan CMA region |
|-----------------------------------------------------------|-----------------------------------------------------------|
| United Kingdom, Channel Islands and Isle of Man | China excluding Special Administrative Regions and Taiwan |
| China excluding Special Administrative Regions and Taiwan | United Kingdom, Channel Islands and Isle of Man |
| Hong Kong Special Administrative Region of China | Vietnam |
| Korea Republic of South | India |
| New Zealand | New Zealand |
| India | Lebanon |
| South Africa | Philippines |
| Malaysia | Korea Republic of South |
| Italy | Italy |
| Philippines | Hong Kong Special Administrative Region of China |

The country of birth for people in the overall Sydney Metropolitan CMA region can be found in the Regional Profile (Report 1 in this report series), and for people in each of the other seven Sydney Metropolitan CMA Places it can be found in the other Place Reports (Reports 2 to 9 in this report series). A detailed table showing country of birth for the Sydney Metropolitan CMA region and all of the eight Places can be found in the Appendix of Tables (Report 10 in this report series).

2.8 Language spoken at home

The language spoken at home by people in Northern Bushy Burbs and Beaches is shown in Table 10 (ABS 2012f). The ten languages other than English spoken at home by the highest proportion of people in Northern Bushy Burbs and Beaches are (in order of highest to lowest proportion):

1. Chinese Languages - Cantonese
2. Chinese Languages - Mandarin
3. Korean
4. Italian
5. Japanese
6. Indo Aryan Languages - Hindi
7. Arabic
8. Spanish
9. German
10. Iranic Languages - Persian excluding Dari

Northern Bushy Burbs and Beaches has a much lower proportion of people who speak languages other than English at home (31.38%) than the overall Sydney Metropolitan CMA region (44.55%).

Table 11 compares the ten languages other than English spoken at home by the highest proportion of people in Northern Bushy Burbs and Beaches with the overall Sydney Metropolitan CMA region.

Table 10 Language spoken at home listed in order of highest to lowest number of people (ABS 2012f)

| Language spoken at home | People in Northern Bushy Burbs and Beaches | Proportion of Place population |
|-------------------------------|--------------------------------------------|--------------------------------|
| English only | 327086 | 68.62% |
| Chinese Languages - Cantonese | 26150 | 5.49% |
| Chinese Languages - Mandarin | 24903 | 5.22% |
| Korean | 11594 | 2.43% |
| Italian | 6107 | 1.28% |
| Japanese | 3729 | 0.78% |
| Indo Aryan Languages - Hindi | 3410 | 0.72% |
| Arabic | 3371 | 0.71% |
| Spanish | 3181 | 0.67% |
| German | 2671 | 0.56% |

| Language spoken at home | People in Northern Bushy Burbs and Beaches | Proportion of Place population |
|-----------------------------------------------------|---------------------------------------------------|---------------------------------------|
| Iranic Languages - Persian excluding Dari | 2621 | 0.55% |
| Greek | 2545 | 0.53% |
| Southeast Asian Austronesian Languages - Indonesian | 2261 | 0.47% |
| Chinese Languages - Other | 2186 | 0.46% |
| French | 2086 | 0.44% |
| Indo Aryan Languages - Other | 1886 | 0.40% |
| Tamil | 1876 | 0.39% |
| Southeast Asian Austronesian Languages - Tagalog | 1689 | 0.35% |
| Portuguese | 1606 | 0.34% |
| Serbian | 1531 | 0.32% |
| Russian | 1474 | 0.31% |
| Indo Aryan Languages - Sinhalese | 1465 | 0.31% |
| Vietnamese | 1459 | 0.31% |
| Croatian | 1451 | 0.30% |
| Thai | 1203 | 0.25% |
| Polish | 1190 | 0.25% |
| Southeast Asian Austronesian Languages - Filipino | 1151 | 0.24% |
| Dutch | 1121 | 0.24% |
| Indo Aryan Languages - Punjabi | 1045 | 0.22% |
| Indo Aryan Languages - Bengali | 678 | 0.14% |
| Hungarian | 614 | 0.13% |
| Turkish | 542 | 0.11% |
| Indo Aryan Languages - Urdu | 532 | 0.11% |
| Macedonian | 342 | 0.07% |
| Southeast Asian Austronesian Languages - Other | 305 | 0.06% |
| Iranic Languages - Dari | 226 | 0.05% |
| Iranic Languages - Other | 179 | 0.04% |
| Maltese | 157 | 0.03% |
| Khmer | 113 | 0.02% |
| Samoan | 110 | 0.02% |
| Assyrian | 47 | 0.01% |
| Australian Indigenous Languages | 13 | 0.00% |
| Other languages | 11316 | 2.37% |
| Language spoken at home not stated | 17425 | 3.66% |

Table 11 Comparison of the ten languages other than English spoken at home by the highest proportion of people in Northern Bushy Burbs and Beaches with the overall Sydney Metropolitan CMA region (in order of highest to lowest proportion)

| Northern Bushy Burbs and Beaches | Sydney Metropolitan CMA region |
|-------------------------------------------|---------------------------------------|
| Chinese Languages - Cantonese | Arabic |
| Chinese Languages - Mandarin | Chinese Languages - Mandarin |
| Korean | Chinese Languages - Cantonese |
| Italian | Vietnamese |
| Japanese | Greek |
| Indo Aryan Languages – Hindi | Italian |
| Arabic | Spanish |
| Spanish | Korean |
| German | Indo Aryan Languages - Hindi |
| Iranic Languages - Persian excluding Dari | Indo Aryan Languages - Other |

The language spoken at home by people in the overall Sydney Metropolitan CMA region can be found in the Regional Profile (Report 1 in this report series), and for people in each of the other seven Sydney Metropolitan CMA Places it can be found in the other Place Reports (Reports 2 to 9 in this report series). A detailed table showing language spoken at home for the Sydney Metropolitan CMA region and all of the eight Places can be found in the Appendix of Tables (Report 10 in this report series).

3 Income, employment, business and education profile

3.1 Personal income

The numbers and proportions of people receiving various amounts of personal weekly income in Northern Bushy Burbs and Beaches in 2011 are shown in Table 12 (ABS 2012g).

Table 12 Numbers and proportions of people receiving various amounts of personal weekly income in Northern Bushy Burbs and Beaches in 2011 (ABS 2012g)

| | | |
|----------------------------|-------|--------|
| Negative or nil income | 41703 | 10.85% |
| \$1-\$199 | 27692 | 7.20% |
| \$200-\$299 | 25262 | 6.57% |
| \$300-\$399 | 26784 | 6.97% |
| \$400-\$599 | 36603 | 9.52% |
| \$600-\$799 | 33150 | 8.62% |
| \$800-\$999 | 29062 | 7.56% |
| \$1000-\$1249 | 30760 | 8.00% |
| \$1250-\$1499 | 23942 | 6.23% |
| \$1500-\$1999 | 33024 | 8.59% |
| \$2000 or more | 53411 | 13.89% |
| Personal income not stated | 23012 | 5.99% |

The numbers and proportions of people receiving various amounts of personal weekly income in the overall Sydney Metropolitan CMA region in 2011 can be found in the Regional Profile (Report 1 in this report series), and for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series). Detailed tables showing gender breakdown for personal weekly income can be found in the Appendix of Tables (Report 10 in this report series).

3.2 Household income

The numbers and proportions of households receiving various amounts of weekly income in Northern Bushy Burbs and Beaches in 2011 are shown in Table 13 (ABS 2012h).

Northern Bushy Burbs and Beaches has the highest proportion of high income households of all eight CMA Places, with 31.38% of households receiving \$3000 per week or more.

Table 13 Numbers and proportions of households receiving various amounts of weekly income in Northern Bushy Burbs and Beaches in 2011 (ABS 2012h).

| | | |
|------------------------|-------|--------|
| Negative or nil income | 2626 | 1.58% |
| \$1-\$199 | 2199 | 1.32% |
| \$200-\$299 | 2678 | 1.61% |
| \$300-\$399 | 5997 | 3.61% |
| \$400-\$599 | 9641 | 5.80% |
| \$600-\$799 | 9124 | 5.49% |
| \$800-\$999 | 9852 | 5.93% |
| \$1000-\$1249 | 10013 | 6.03% |
| \$1250-\$1499 | 10216 | 6.15% |
| \$1500-\$1999 | 17304 | 10.41% |
| \$2000-\$2499 | 13274 | 7.99% |
| \$2500-\$2999 | 21094 | 12.70% |
| \$3000-\$3499 | 13053 | 7.86% |
| \$3500-\$3999 | 7241 | 4.36% |
| \$4000 or more | 14969 | 9.01% |
| Partial income stated | 13750 | 8.28% |
| All incomes not stated | 3121 | 1.88% |

The numbers and proportions of households receiving various amounts of weekly income in the overall Sydney Metropolitan CMA region in 2011 can be found in the Regional Profile (Report 1 in this report series), and for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series). Detailed tables showing the family household and non-family household breakdown for household weekly income can be found in the Appendix of Tables (Report 10 in this report series).

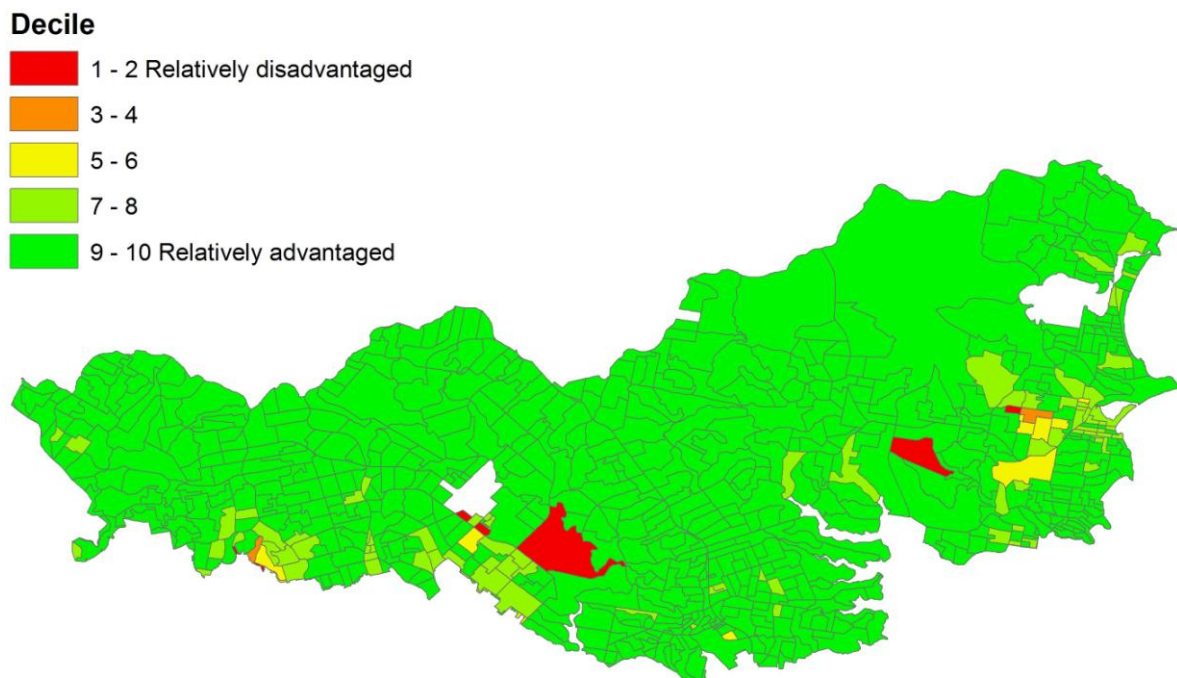
3.3 Index of advantage/disadvantage

The Index of Relative Socio-economic Advantage and Disadvantage is a continuum of advantage (high score values) to disadvantage (low score values), and is derived from Australian Bureau of Statistics (ABS) Census variables related to both advantage and disadvantage (ABS 2008). It is one of four Socio-Economic Indexes for Areas (SEIFA). SEIFA uses a broad definition of relative socio-economic disadvantage in terms of people's access to material and social resources and their ability to participate in society. While SEIFA represents an average of all people living in an area, SEIFA does not represent the individual situation of each person.

The ABS applies deciles to SEIFA scores. All areas are ordered from lowest to highest score, and the lowest 10% of areas are given a decile number of 1 and so on, up to the highest 10% of areas which are given a decile number of 10. This means that areas are divided up into ten groups, depending on their score.

The Index of Relative Socio-economic Advantage and Disadvantage deciles for Census Districts across Northern Bushy Burbs and Beaches in 2006 are shown in Figure 3 (ABS 2008). Not all Census Districts in the Sydney region have SEIFA scores because the ABS does not give scores to around 3% of Census Districts due to low populations or high levels of non-response in Census.

Figure 3 Index of Relative Socio-economic Advantage and Disadvantage deciles for Census Districts across Northern Bushy Burbs and Beaches in 2006 (ABS 2008)



An Index of Relative Socio-economic Advantage and Disadvantage decile map for the overall Sydney Metropolitan CMA region in 2006 can be found in the Regional Profile (Report 1 in this report series), and maps for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series).

3.4 Employment

The numbers and proportions of employed people in Northern Bushy Burbs and Beaches in 2006 are shown in Table 14 (ABS 2012i).

Total unemployment across all eight CMA Places ranged between 1.68% and 3.58%.

Table 14 Numbers and proportions of employed people in Northern Bushy Burbs and Beaches in 2006 (ABS 2012i)

| | | |
|----------------------------------------|--------|--------|
| Employed, worked full-time | 144737 | 32.42% |
| Employed, worked part-time | 66370 | 14.87% |
| Employed, away from work | 12390 | 2.78% |
| Total Employed | 223497 | 50.07% |
| Unemployed, looking for full-time work | 3965 | 0.89% |
| Unemployed, looking for part-time work | 3842 | 0.86% |
| Total Unemployed | 7807 | 1.75% |
| Not in the labour force | 112683 | 25.24% |
| Not stated | 18063 | 4.05% |
| Not applicable | 84362 | 18.90% |

The numbers and proportions of employed people in the overall Sydney Metropolitan CMA region in 2006 can be found in the Regional Profile (Report 1 in this report series), and for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series).

3.5 Industry of employment

The numbers and proportions of people in each of 17 categories of industry of employment in Northern Bushy Burbs and Beaches in 2006 are shown in Table 15 (ABS 2012i). The proportions of people in each of the 17 categories in Northern Bushy Burbs and Beaches in 2006 compared to the overall Sydney Metropolitan CMA region are shown in Figure 4 (ABS 2012i).

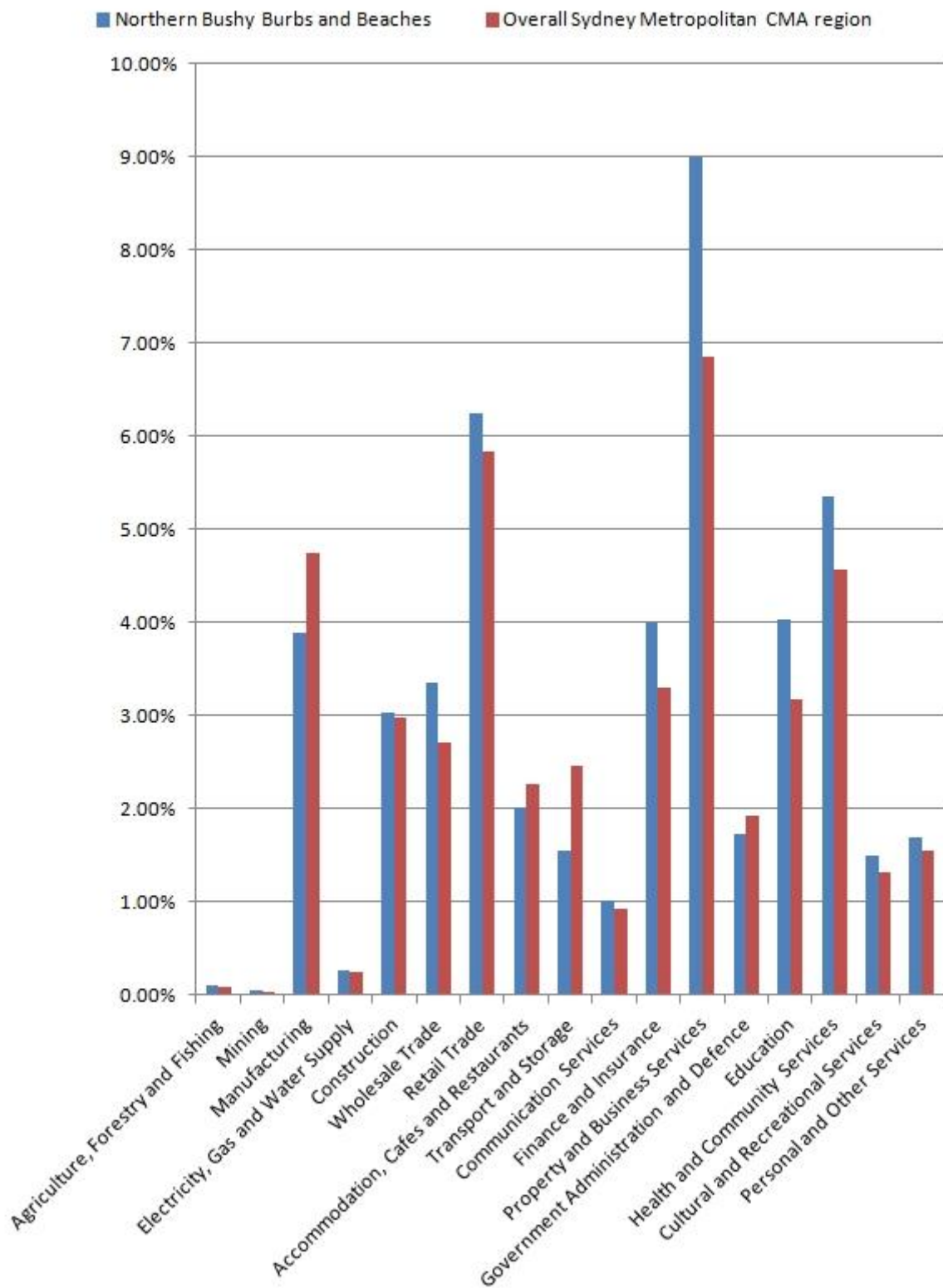
Northern Bushy Burbs and Beaches has higher proportions of people employed in the property and business services; education; health and community services; finance and insurance; and wholesale trade industries than the overall Sydney Metropolitan CMA region, and lower proportions of people employed in the manufacturing and transport and storage industries.

There are very low proportions of people working in the mining and agriculture, forestry and fishing industries in Northern Bushy Burbs and Beaches.

Table 15 Numbers and proportions of employed people in each of 17 categories of industry of employment in Northern Bushy Burbs and Beaches in 2006 (ABS 2012i)

| | | |
|---------------------------------------|--------|--------|
| Agriculture, Forestry and Fishing | 508 | 0.11% |
| Mining | 255 | 0.06% |
| Manufacturing | 17371 | 3.89% |
| Electricity, Gas and Water Supply | 1167 | 0.26% |
| Construction | 13513 | 3.03% |
| Wholesale Trade | 14953 | 3.35% |
| Retail Trade | 27918 | 6.25% |
| Accommodation, Cafes and Restaurants | 9019 | 2.02% |
| Transport and Storage | 6950 | 1.56% |
| Communication Services | 4557 | 1.02% |
| Finance and Insurance | 17825 | 3.99% |
| Property and Business Services | 40176 | 9.00% |
| Government Administration and Defence | 7713 | 1.73% |
| Education | 17979 | 4.03% |
| Health and Community Services | 23880 | 5.35% |
| Cultural and Recreational Services | 6704 | 1.50% |
| Personal and Other Services | 7551 | 1.69% |
| Non-Classifiable Economic Units | 3061 | 0.69% |
| Not stated | 2371 | 0.53% |
| Not applicable | 222867 | 49.93% |
| Total | 446338 | |

Figure 4 Proportions of employed people in each of 17 categories of industry of employment in Northern Bushy Burbs and Beaches in 2006 compared to the overall Sydney Metropolitan CMA region (ABS 2012i)



The industries of employment for the overall Sydney Metropolitan CMA region can be found in the Regional Profile (Report 1 in this report series), and for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series). Detailed tables can be found in the Appendix of Tables (Report 10 in this report series).

3.6 Occupation

The numbers and proportions of employed people in each of nine categories of occupation in Northern Bushy Burbs and Beaches in 2006 are shown in Table 16 (ABS 2012i).

Table 16 Numbers and proportions of employed people in each of nine categories of occupation in Northern Bushy Burbs and Beaches in 2006 (ABS 2012i)

| | | |
|--------------------------------------------------|--------|--------|
| Managers and Administrators | 28502 | 6.39% |
| Professionals | 66485 | 14.89% |
| Associate Professionals | 28717 | 6.43% |
| Tradespersons and Related Workers | 16955 | 3.80% |
| Advanced Clerical and Service Workers | 9388 | 2.10% |
| Intermediate Clerical, Sales and Service Workers | 35850 | 8.03% |
| Intermediate Production and Transport Workers | 7709 | 1.73% |
| Elementary Clerical, Sales and Service Workers | 17985 | 4.03% |
| Labourers and Related Workers | 8280 | 1.85% |
| Not stated | 1379 | 0.31% |
| Inadequately described | 2288 | 0.51% |
| Not applicable | 222843 | 49.92% |
| Total | 446381 | |

The occupations of employed people in the overall Sydney Metropolitan CMA region can be found in the Regional Profile (Report 1 in this report series), and for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series). A detailed table can be found in the Appendix of Tables (Report 10 in this report series).

3.7 Business numbers and turnover

The numbers of businesses in various turnover size ranges for 19 industry categories in Northern Bushy Burbs and Beaches in 2011 are shown in Table 17 (ABS 2012o).

The smallest scale at which Australian Bureau of Statistics (ABS) counts of Australian businesses are available is Statistical Area 2 (SA2), and this data has been used to prepare Table 17. Due to the nature of the data sources for these counts (primarily the Australian Business Register) multi-location businesses can only be attributed by the ABS to a single SA2. Because of this, business counts at the SA2 level do not necessarily reflect all business operations within that SA2, and this needs to be considered when using the information in Table 17.

Additionally, because SA2s are larger than the Statistical Area 1s (SA1s) and Census Districts (CDs) used in compiling most of the other information in this report series, the SA2s overlap the boundaries of the Sydney Metropolitan CMA region and the boundaries of each of the eight CMA Places to a greater extent. Because of this a very small proportion of the counts in Table 17 relates to areas outside Northern Bushy Burbs and Beaches, and this needs to be considered when using the information.

Table 17 Numbers of businesses in various turnover size ranges for 19 industry categories in Northern Bushy Burbs and Beaches in 2011, listed in order of the industry categories with highest to lowest total business numbers (ABS 2012o)

| Industry | Numbers of businesses in turnover size ranges | | | | | | |
|-------------------------------------------------|-----------------------------------------------|---------------------------|----------------------------|----------------------------|--------------------------|--------------|--------------|
| | Zero to \$50k | \$50k to less than \$100k | \$100k to less than \$200K | \$200k to less than \$500k | \$500k to less than \$2m | \$2m or more | Total |
| Professional, Scientific and Technical Services | 4656 | 2214 | 2936 | 2421 | 1175 | 486 | 13888 |
| Rental, Hiring and Real Estate Services | 2916 | 1743 | 1572 | 1341 | 706 | 201 | 8479 |
| Construction | 1574 | 1906 | 1582 | 1569 | 1103 | 491 | 8225 |
| Financial and Insurance Services | 3414 | 1280 | 911 | 864 | 486 | 146 | 7101 |
| Health Care and Social Assistance | 773 | 622 | 827 | 1211 | 1020 | 155 | 4608 |
| Retail Trade | 974 | 447 | 503 | 733 | 902 | 518 | 4077 |
| Wholesale Trade | 880 | 374 | 410 | 568 | 632 | 751 | 3615 |
| Administrative and Support Services | 982 | 550 | 560 | 434 | 335 | 133 | 2994 |
| Manufacturing | 562 | 301 | 267 | 423 | 420 | 250 | 2223 |
| Transport, Postal and Warehousing | 885 | 586 | 290 | 196 | 143 | 75 | 2175 |
| Other Services | 473 | 374 | 432 | 486 | 330 | 70 | 2165 |
| Accommodation and Food Services | 280 | 251 | 349 | 659 | 368 | 116 | 2023 |
| Education and Training | 392 | 186 | 269 | 208 | 120 | 66 | 1241 |
| Information Media and Telecommunications | 414 | 184 | 216 | 171 | 101 | 78 | 1164 |
| Agriculture, Forestry and Fishing | 794 | 103 | 103 | 54 | 63 | 12 | 1129 |
| Arts and Recreation Services | 376 | 142 | 187 | 116 | 60 | 3 | 884 |
| Public Administration and Safety | 50 | 25 | 30 | 68 | 24 | 27 | 224 |
| Electricity, Gas, Water and Waste Services | 29 | 3 | 12 | 21 | 18 | 15 | 98 |
| Mining | 27 | 6 | 12 | 3 | 9 | 3 | 60 |
| Total | 20451 | 11297 | 11468 | 11546 | 8015 | 3596 | 66373 |

The numbers of businesses in various turnover size ranges in the overall Sydney Metropolitan CMA region can be found in the Regional Profile (Report 1 in this report series), and for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series).

3.8 Value of tourism to the regional economy

Information on the numbers of tourism businesses and the expenditure by domestic and international tourists in the Sydney tourism region can be found in the Regional Profile (Report 1 in this report series). The Sydney tourism region, a larger region than the Sydney Metropolitan CMA region, is the smallest scale at which these statistics are available.

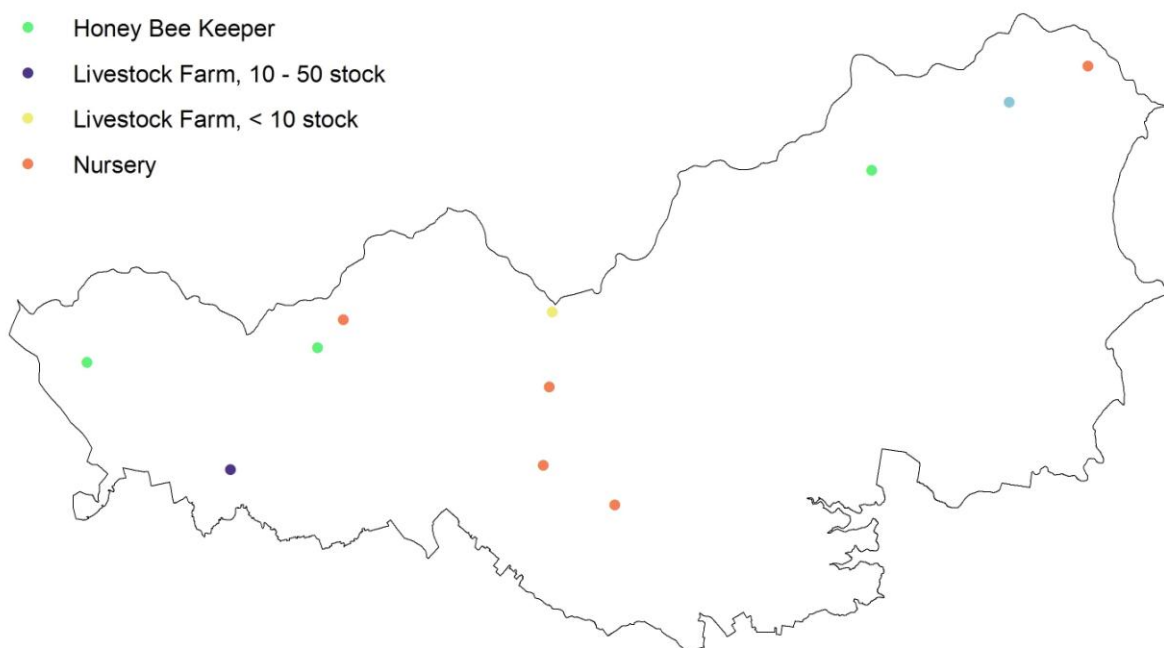
3.9 Primary production

The locations and types of primary producers in Northern Bushy Burbs and Beaches are shown in Figure 5.

Figure 5 Locations and types of primary producers in Northern Bushy Burbs and Beaches

Primary Producer Type

- Aquaculture
- Honey Bee Keeper
- Livestock Farm, 10 - 50 stock
- Livestock Farm, < 10 stock
- Nursery



The locations and types of primary producers in the overall Sydney Metropolitan CMA region can be found in the Regional Profile (Report 1 in this report series), and for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series).

3.10 Level of education

The numbers and proportions of people with non-school qualifications in Northern Bushy Burbs and Beaches in 2006 are shown in Table 18 (ABS 2012b).

Northern Bushy Burbs and Beaches has the second highest proportion of people with Bachelor Degree level qualifications of all eight CMA Places (17.43%).

Table 18 Numbers and proportions of people with non-school qualifications in Northern Bushy Burbs and Beaches in 2006 (ABS 2012b)

| | | |
|-------------------------------------------------|--------|--------|
| Postgraduate Degree Level | 24283 | 5.44% |
| Graduate Diploma and Graduate Certificate Level | 7310 | 1.64% |
| Bachelor Degree Level | 77809 | 17.43% |
| Advanced Diploma and Diploma Level | 38467 | 8.62% |
| Certificate Level | 46838 | 10.49% |
| Level of education not stated | 33413 | 7.49% |
| Level of education inadequately described | 7245 | 1.62% |
| Not applicable | 210995 | 47.27% |

The numbers and proportions of people with non-school qualifications in the overall Sydney Metropolitan CMA region in 2006 can be found in the Regional Profile (Report 1 in this report series), and for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series).

3.11 Attendance at educational institutions

The numbers and proportions of people attending educational institutions in Northern Bushy Burbs and Beaches in 2011 are shown in Table 19 (ABS 2012j).

Table 19 Numbers and proportions of people attending educational institutions in Northern Bushy Burbs and Beaches in 2011 (proportions are of total attendance) (ABS 2012j)

| | | |
|----------------------------------------------|--------|--------|
| Pre school | 9848 | 6.56% |
| Infants and Primary school | 40487 | 26.95% |
| Secondary school | 33719 | 22.45% |
| Technical or Further Educational institution | 9223 | 6.14% |
| University or other Tertiary Institution | 30629 | 20.39% |
| Other type of educational institution | 3711 | 2.47% |
| Type of educational institution not stated | 22612 | 15.05% |
| Total attendance | 150229 | |

The numbers and proportions of people attending educational institutions in the overall Sydney Metropolitan CMA region in 2011 can be found in the Regional Profile (Report 1 in this report series), and for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series). A detailed table showing a breakdown of the different types of Infant and Primary schools and Secondary schools attended can be found in the Appendix of Tables (Report 10 in this report series).

4 Residential profile

4.1 Dwelling types

The numbers and proportions of different dwelling types in Northern Bushy Burbs and Beaches in 2011 are shown in Table 20 (ABS 2012k). The numbers of people living in each of those dwelling types in 2011 is shown in Table 21 (ABS 2012k)

Table 20 Numbers and proportions of different dwelling types in Northern Bushy Burbs and Beaches in 2011 (ABS 2012k)

| | | |
|--------------------------------------------------|--------|--------|
| Separate houses | 107076 | 60.25% |
| Semi detached, row or terrace houses, townhouses | 15374 | 8.65% |
| Flats, units, or apartments | 43219 | 24.32% |
| Other dwellings | 317 | 0.18% |
| Dwelling structure not stated | 164 | 0.09% |
| Total occupied dwellings | 166150 | 93.50% |
| Unoccupied private dwellings | 11556 | 6.50% |
| Total private dwellings | 177706 | |

Table 21 Numbers of people living in each of the different dwelling types in Northern Bushy Burbs and Beaches in 2011 (ABS 2012k)

| | |
|------------------------------------------------------------|--------|
| People in separate houses | 325829 |
| People in semi detached, row or terrace houses, townhouses | 36894 |
| People in flats, units, or apartments | 85384 |
| People in other dwellings | 667 |
| People in dwelling structure not stated | 415 |
| Total people in private dwellings | 449189 |

The numbers of different dwelling types and numbers of people living in each of those different dwelling types in the overall Sydney Metropolitan CMA region in 2011 can be found in the Regional Profile (Report 1 in this report series), and for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series).

4.2 Home ownership

The numbers and proportions of dwellings owned and rented in Northern Bushy Burbs and Beaches in 2011 are shown in Table 22 (ABS 2012I).

Northern Bushy Burbs and Beaches has the highest proportion of outright dwelling ownership of all eight CMA Places.

Table 22 Numbers and proportions of dwellings owned and rented in Northern Bushy Burbs and Beaches in 2011 (ABS 2012I)

| | | |
|------------------------|-------|--------|
| Owned outright | 60959 | 36.70% |
| Owned with a mortgage | 59262 | 35.68% |
| Rented | 41133 | 24.76% |
| Other tenure type | 1714 | 1.03% |
| Tenure type not stated | 3047 | 1.83% |

The numbers and proportions of dwellings owned and rented in the overall Sydney Metropolitan CMA region in 2011 can be found in the Regional Profile (Report 1 in this report series), and for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series). A detailed table showing a breakdown of rental types can be found in the Appendix of Tables (Report 10 in this report series).

4.3 Home internet connection

The numbers and proportions of types of home internet connection in dwellings in Northern Bushy Burbs and Beaches in 2011 are shown in Table 23 (ABS 2012m).

In Northern Bushy Burbs and Beaches, 80.97% of dwellings have a broadband internet connection, the highest proportion of all eight CMA Places, with only 2.17% of dwellings still having a dial up connection. 11.47% of dwellings have no internet connection, the lowest proportion of all eight CMA Places.

Table 23 Numbers and proportions of types of home internet connection in dwellings in Northern Bushy Burbs and Beaches in 2011 (ABS 2012m)

| | | |
|------------------------------------------|--------|--------|
| Broadband | 134551 | 80.97% |
| Dial up | 3602 | 2.17% |
| Other type of internet connection | 4234 | 2.55% |
| Total dwellings with internet connection | 142387 | 85.68% |
| No internet connection | 19060 | 11.47% |
| Internet connection not stated | 4735 | 2.85% |

The numbers and proportions of types of home internet connection in dwellings in the overall Sydney Metropolitan CMA region in 2011 can be found in the Regional Profile (Report 1 in this report series), and for the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series).

4.4 Residential water and energy use

In 2006 the Independent Pricing and Regulatory Tribunal of New South Wales (IPART) conducted a survey of residential household water, electricity and gas consumers in the greater Sydney region. Whilst not including information for individual areas in Sydney, the survey report *Residential energy and water use in Sydney, the Blue Mountains and Illawarra*

- Results from the 2006 household survey (IPART 2007) provides valuable information about the characteristics of residential households and their energy and water consumption. Information on the survey results can be found in the Regional Profile (Report 1 in this report series).

Additionally, Ausgrid has published the electricity use of each Local Government area across greater Sydney including the amount of solar generation that is exported to the electricity grid (Ausgrid 2011). A table showing this information can be found in the Appendix of Tables (Report 10 in this report series). The Ausgrid electricity network services Sydney, the Hunter and the Central Coast.

4.5 Liveability index

The 2008 BankWest Quality of Life survey (BankWest 2008a, 2008b, 2008c) scored the performance of 590 Local Government areas across Australia including 152 in NSW, using ten variables which contribute to the quality of life including health, home ownership, house size, internet access, employment rates, earnings, education, community volunteering and crime rates.

The survey rankings for Local Government areas across Northern Bushy Burbs and Beaches are shown in Table 24 (BankWest 2008c). The rankings are for the whole of each Local Government area, including parts of some Local Government areas outside Northern Bushy Burbs and Beaches, so their use needs to consider the information in Section 1.4 of this report.

Table 24 Quality of Life survey rankings for Local Government areas across Northern Bushy Burbs and Beaches (listed in order of ranking, where 1 is the highest quality of life and 590 the lowest) (BankWest 2008c)

| Local Government | Quality of Life survey ranking |
|------------------|--------------------------------|
| Ku-ring-gai | 1 |
| The Hills Shire | 12 |
| Pittwater | 14 |
| Lane Cove | 17 |
| Hornsby | 18 |
| Willoughby | 29 |
| Warringah | 41 |
| Ryde | 137 |
| Parramatta | 494 |

Information on Quality of Life survey rankings for the overall Sydney Metropolitan CMA region in 2011 can be found in the Regional Profile (Report 1 in this report series), and for the Local Government areas across the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series).

Crime rates were one of the ten variables addressed in the Quality of Life survey. A breakdown of numbers of different types of crime in each of the Local Government areas across the Sydney Metropolitan CMA region can be found in the Appendix of Tables (Report 10 in this report series).

4.6 Gentrification

The Australian Housing and Urban Research Institute (AHURI) study *Gentrification and displacement: the household impacts of neighbourhood change* (AHURI 2011) finds that the Marrickville and Randwick Local Government areas and the Concord part of the Canada Bay Local Government area experienced the most rapid gentrification in the Sydney region in the decade to 2006.

Gentrification refers to the migration of higher income households to lower income neighbourhoods. It has three key effects (AHURI 2011):

1. Greater pressure on low income renters who either pay higher rents or are dislocated by the market to lower cost areas, either into private renting, presenting to social housing providers or becoming homeless.
2. Low income owners and renters are diverted over time to other locations with the subsequent loss of social diversity and reducing accessibility to employment (for parents) and education (for children) opportunities.
3. Changing communities and service infrastructures which often no longer cater for lower income residents.

The identified areas of gentrification in the Sydney region are not within Northern Bushy Burbs and Beaches. However because gentrification causes low income owners and renters to be diverted over time to other locations the impacts of the gentrification are likely to be being felt in other CMA Places including Northern Bushy Burbs and Beaches.

The study *Gentrification and displacement: the household impacts of neighbourhood change* (AHURI 2011) includes recommended policy responses to gentrification.

5 Environmental engagement profile

5.1 Level of volunteering

The numbers and proportions of volunteers in Northern Bushy Burbs and Beaches in 2011 are shown in Table 25 (ABS 2012n). The information relates to voluntary work for an organisation or group, including groups and organisations related to the environment and groups and organisations not related to the environment. The Australian Bureau of Statistics only collects volunteering information for people aged 15 years and over so the total in Table 25 are smaller than overall populations for the region and Places.

Northern Bushy Burbs and Beaches has the highest proportion of volunteers of all eight CMA Places (21.22%).

Table 25 Numbers and proportions of volunteers in Northern Bushy Burbs and Beaches in 2011 (ABS 2012n)

| | | |
|---------------------------|--------|--------|
| Volunteer | 81536 | 21.22% |
| Not a volunteer | 280589 | 73.02% |
| Voluntary work not stated | 22152 | 5.76% |
| Total | 384277 | |

The numbers and proportions of volunteers in the overall Sydney Metropolitan CMA region in 2011 can be found in the Regional Profile (Report 1 in this report series), and for the Local Government areas across the other seven Sydney Metropolitan CMA Places can be found in the other Place Reports (Reports 2 to 9 in this report series). Detailed tables showing breakdowns of volunteers according to gender and age can be found in the Appendix of Tables (Report 10 in this report series).

5.2 Environmental concern

The NSW Office of Environment and Heritage *Who Cares about the Environment* survey is conducted every three years and explores NSW people's environmental knowledge, attitudes and behaviours. The responses to some of the survey questions provide useful insights into environmental concern and activity in the Sydney Metropolitan CMA region. Information on these questions and the responses for the Sydney Inner and Sydney Outer survey regions can be found in the Regional Profile (Report 1 in this report series).

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