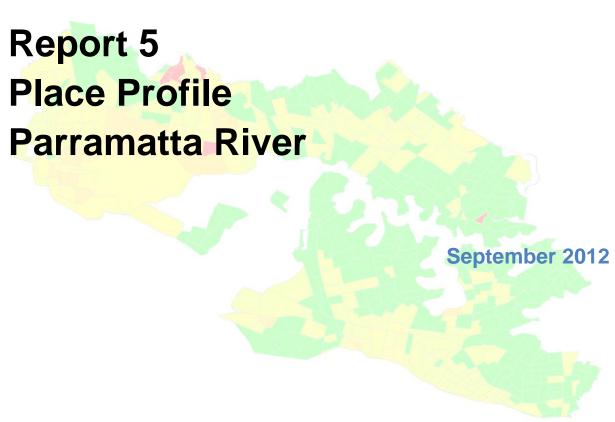
Community Profile Analysis Sydney Metropolitan CMA Region







Disclaimer: The Sydney Metropolitan Catchment Management Authority has prepared this document in good faith exercising all due care and attention, but no representation or warranty, express or implied, is made as to the relevance, accuracy, completeness or fitness for purpose of this document in respect of any particular user's circumstances. Users of this document should satisfy themselves concerning its application to, and where necessary seek expert advice in respect of, their situation.

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.

Project Managers: Jenna Hore and John Dahlenburg

Principal Author: Bruce Boyes

Citation: Sydney Metropolitan Catchment Management Authority (2012). *Community Profile Analysis Sydney Metropolitan CMA Region September 2012, Report 5 – Place Profile: Parramatta River*

© Sydney Metropolitan Catchment Management Authority, 2012.

10 Valentine Ave (PO Box 3720) Parramatta NSW 2124 Phone: (02) 9895 7898

Web: www.sydney.cma.nsw.gov.au

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.

This material may be reproduced for non-commercial purpose in whole or in part, provided the meaning is unchanged and the source is acknowledged.

September 2012

Contents

S	ummar	y	1
1	Intro	oduction	3
	1.1	Purpose of this report	3
	1.2	Report structure	3
	1.3	Analysis approach	3
	1.4	Local Government area and regional statistics	5
2	Pop	ulation profile	6
	2.1	Total population	6
	2.2	Population density	7
	2.3	Gender balance	7
	2.4	Age distribution	8
	2.5	Family structure	8
	2.6	Indigenous population	9
	2.7	Ethnicity (country of birth)	9
	2.8	Language spoken at home	. 11
3	Inco	ome, employment, business and education profile	. 14
	3.1	Personal income	. 14
	3.2	Household income	. 14
	3.3	Index of advantage/disadvantage	. 15
	3.4	Employment	. 17
	3.5	Industry of employment	. 17
	3.6	Occupation	. 20
	3.7	Business numbers and turnover	. 20
	3.8	Value of tourism to the regional economy	. 22
	3.9	Primary production	. 22
	3.10	Level of education	. 23

	3.11	Attendance at educational institutions	3
4	Res	idential profile2	4
	4.1	Dwelling types2	4
	4.2	Home ownership2	5
	4.3	Home internet connection	5
	4.4	Residential water and energy use	6
	4.5	Liveability index	6
	4.6	Gentrification	7
5	Env	ironmental engagement profile2	7
	5.1	Level of volunteering	7
	5.2	Environmental concern	8
6	Ref	erences2	8
Li	st of f	igures	
		The eight 'Places' that have been defined within the Sydney Metropolitan CMA ased on social, economic and ecological criteria	4
Fi 20	gure 2)12b) .	Population age distribution for Parramatta River in 2006 and 2011 (ABS 2012a,	8
		Index of Relative Socio-economic Advantage and Disadvantage deciles for Census across Parramatta River in 2006 (ABS 2008)	
in	Parra	Proportions of employed people in each of 17 categories of industry of employmen matta River in 2006 compared to the overall Sydney Metropolitan CMA region (ABS	,
Fi	gure 5	Locations and types of primary producers in Parramatta River	2
Li	st of t	ables	
Τá	able 1	Local Government areas within Parramatta River	5
		Parramatta River population in 2006 and 2011 and population growth 2006-2011 12a, 2012b)	6
		Estimated resident population (ERP) growth from 2001 to 2011 of Local Governmen ross Parramatta River (ABS 2012c)	
		Population density in 2006 and 2011 and increase in population density between d 2011 for Parramatta River (ABS 2012a, 2012b).	7
Tá	able 5	Gender balance of Parramatta River in 2011 (ABS 2012a)	7

Table 6 Family structure of Parramatta River in 2011 (ABS 2012d)9
Table 7 Indigenous population of Parramatta River in 2011 (ABS 2012a)9
Table 8 Country of birth listed in order of highest to lowest number of people (ABS 2012e) 10
Table 9 Comparison of the ten countries from which the highest proportion of people born outside Australia in Parramatta River originate with the overall Sydney Metropolitan CMA region (in order of highest to lowest proportion)
Table 10 Language spoken at home listed in order of highest to lowest number of people (ABS 2012f)
Table 11 Comparison of the ten languages other than English spoken at home by the highest proportion of people in Parramatta River with the overall Sydney Metropolitan CMA region (in order of highest to lowest proportion)
Table 12 Numbers and proportions of people receiving various amounts of personal weekly income in Parramatta River in 2011 (ABS 2012g)14
Table 13 Numbers and proportions of households receiving various amounts of weekly income in Parramatta River in 2011 (ABS 2012h)
Table 14 Numbers and proportions of employed people in Parramatta River in 2006 (ABS 2012i)
Table 15 Numbers and proportions of employed people in each of 17 categories of industry of employment in Parramatta River in 2006 (ABS 2012i)
Table 16 Numbers and proportions of employed people in each of nine categories of occupation in Parramatta River in 2006 (ABS 2012i)
Table 17 Numbers of businesses in various turnover size ranges for 19 industry categories in Parramatta River in 2011, listed in order of the industry categories with highest to lowest total business numbers (ABS 2012o)
Table 18 Numbers and proportions of people with non-school qualifications in Parramatta River in 2006 (ABS 2012b)
Table 19 Numbers and proportions of people attending educational institutions in Parramatta River in 2011 (proportions are of total attendance) (ABS 2012j)23
Table 20 Numbers and proportions of different dwelling types in Parramatta River in 2011 (ABS 2012k)
Table 21 Numbers of people living in each of the different dwelling types in Parramatta River in 2011 (ABS 2012k)24
Table 22 Numbers and proportions of dwellings owned and rented in Parramatta River in 2011 (ABS 2012I)
Table 23 Numbers and proportions of types of home internet connection in dwellings in Parramatta River in 2011 (ABS 2012m)

Table 24 Quality of Life survey rankings for Local Government areas across Parramatta River (listed in order of ranking, where 1 is the highest quality of life and 590 the lowest)	
(BankWest 2008c)	. 26
Table 25 Numbers and proportions of volunteers in Parramatta River in 2011 (ABS 2012n))28

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 5) provides information about the Parramatta River Place, and should be used in conjunction with *Report 1 Regional Profile*.

Key findings for Parramatta River include:

- In 2006 the **population** of Parramatta River was 262291, and in 2011 was 291240, a **population growth** of 11.04%. In 2011 Parramatta River had the third lowest population of the eight CMA Places, but from 2006-2011 had the highest population growth.
- In 2011 Parramatta River had the third highest **population density** of the eight CMA Places, and the highest increase in population density between 2006 and 2011.
- There is a gender imbalance in Parramatta River, with the female population higher than the male population in all eight CMA Places and the overall Sydney Metropolitan CMA region.
- In both 2006 and 2011 Parramatta River had a higher proportion of people in the 25-34 years **age group** than other CMA Places.
- In 2011 the **Indigenous population** of Parramatta River was 1762, which is 0.60% of the total population.
- The five countries from which the largest proportion of **people born outside Australia** in Parramatta River originate are (in order of highest to lowest proportion): China excluding Special Administrative Regions and Taiwan; India; Korea Republic of South; United Kingdom, Channel Islands and Isle of Man; and Italy.
- The five languages other than English spoken at home by the highest proportion of people in Parramatta River are (in order of highest to lowest proportion): Chinese Languages - Mandarin; Chinese Languages - Cantonese; Italian; Korean and Arabic.
- There are high proportions of 1-2 and 3-4 decile **relatively disadvantaged** Census Districts in the western parts of Parramatta River.
- Parramatta River has higher proportions of people employed in the industries of property and business services and health and community services than the overall Sydney Metropolitan CMA region, and a lower proportion of people employed in the

manufacturing industry. There are very low proportions of people working in the mining and agriculture, forestry and fishing industries in Parramatta River.

- The five **industries with the highest total business numbers** in Parramatta River are professional, scientific and technical services; construction; rental, hiring and real estate services; financial and insurance services and retail trade.
- Parramatta River has the second highest proportion of **flats**, **units or apartments** of all eight CMA Places (40.46%).
- In Parramatta River, 75.92% of dwellings have a broadband **internet connection**, with only 2.34% of dwellings still having a dial up connection. However, 14.97% of dwellings have no internet connection.
- 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. Canada Bay is located within Parramatta River. Because gentrification causes low income owners and renters to be diverted over time to other locations the impacts of the gentrification of this area is likely to be being felt in other parts of Parramatta River or in other CMA Places.

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 5) provides information about the Parramatta River 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 Parramatta River are shown in Table 1. If the proportion of Local Government area was less than 1% it has not been included in the table, and any proportions between 99% and 100% have been stated as 'All of area'.

Table 1 Local Government areas within Parramatta River

Local Government	Total Local Government area (km²)	Local Government area within Place (km²)	Proportion of Local Government area within Place
Canada Bay	19.8933739	19.86147268	All of area
Hunters Hill	5.717060622	3.825148287	66.91%
Ashfield	8.281188157	4.939922294	59.65%
Ryde	40.47293292	18.35747746	45.36%
Parramatta	61.35648939	25.74130633	41.95%
Strathfield	13.89962782	5.60257445	40.31%
Auburn	32.47691875	11.14722101	34.32%
Burwood	7.128170441	2.311547665	32.43%
Leichhardt	10.5498477	2.585160012	24.50%
Marrickville	16.51963057	0.757391909	4.58%

2 Population profile

2.1 Total population

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

In 2011 Parramatta River had the third lowest population of the eight CMA Places, but from 2006-2011 had the highest population growth.

Table 2 Parramatta River population in 2006 and 2011 and population growth 2006-2011 (ABS 2012a, 2012b)

Population 2006	262291
Population 2011	291240
Population growth 2006-2011	11.04%
Comparative population growth for Sydney Metropolitan CMA region	

The estimated resident population (ERP) growth from 2001 to 2011 of Local Government areas across Parramatta River 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 Parramatta River, so their use needs to consider the information in Section 1.4 of this report.

Table 3 Estimated resident population (ERP) growth from 2001 to 2011 of Local Government areas across Parramatta River (ABS 2012c)

ent				RP) growth f reliminary A		
Local Government	Population 2001	Population 2006	Population 2011 (pr)	2001-2011 population increase (pr)	2001-2011 population growth (pr)	Average annual population growth 2001-2011 (pr)
Canada Bay	62322	68725	79905	17583	28.2%	2.5%
Hunters Hill	13382	13746	13880	498	3.7%	0.4%
Ashfield	40521	41520	43683	3162	7.8%	0.8%
Ryde	99151	100962	108371	9220	9.3%	0.9%
Parramatta	147882	153891	174554	26672	18.0%	1.7%
Strathfield	29433	33231	37141	7708	26.2%	2.4%
Auburn	58678	68231	78286	19608	33.4%	2.9%
Burwood	30580	32395	34305	3725	12.2%	1.2%
Leichhardt	50456	51554	55651	5195	10.3%	1.0%
Marrickville	76743	75546	81489	4746	6.2%	0.6%
Totals	609148	639801	707265	98117	16.1%	1.5%

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 Parramatta River are shown in Table 4 (ABS 2012a, 2012b).

In 2011 Parramatta River had the third highest population density of the eight CMA Places, and the 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 Parramatta River (ABS 2012a, 2012b).

Place Area (km²)	106.1652
Population 2006	262291
Density 2006	2470.593
Population 2011	291240
Density 2011	2743.272
Density increase 2006-2011	11.04%
Comparative density increase 2006-2011for 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 Parramatta River in 2011 is shown in Table 5 (ABS 2012a).

The female population is higher than the male population in all eight Sydney Metropolitan CMA Places and the overall Sydney Metropolitan CMA region.

Table 5 Gender balance of Parramatta River in 2011 (ABS 2012a)

Males	144390
Females	146850
Proportion by which female population is higher than male population	1.70%
Comparative proportion by which female population is higher than male population in Sydney Metropolitan CMA region	

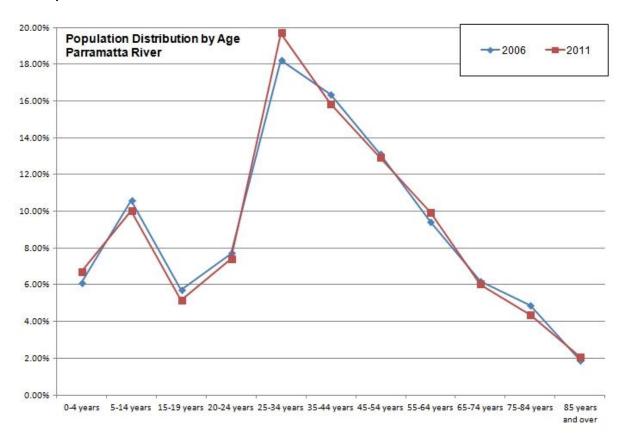
The gender balance in 2011 for the overall Sydney Metropolitan CMA region can be found in the Regional Profile (Report 1 in this report series), and for each of the eight Sydney Metropolitan CMA Places can be found in the separate Place Reports (Reports 2 to 9 in this report series).

2.4 Age distribution

The population age distribution for Parramatta River in 2006 and 2011 is shown in Figure 2 (ABS 2012a, 2012b).

In both 2006 and 2011 Parramatta River had a higher proportion of people in the 25-34 years age group than other CMA Places.

Figure 2 Population age distribution for Parramatta River 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 Parramatta River in 2011 is shown in Table 6 (ABS 2012d).

Table 6 Family structure of Parramatta River in 2011 (ABS 2012d)

Couple families with no children	27981
Couple families with children	35271
One parent families	10441
Other families	1877
Total families	75570

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 Parramatta River in 2011 is shown in (ABS 2012a)

Table 7 Indigenous population of Parramatta River in 2011 (ABS 2012a)

Aboriginal population	1640
Torres Strait Islander population	
Both Aboriginal and Torres Strait Islander population	46
Total Indigenous population	1762
Total Place population	291240
Indigenous proportion of total population	0.60%
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 Parramatta River is shown in Table 8 (ABS 2012e). The ten countries from which the highest proportion of people born outside Australia in Parramatta River originate are (in order of highest to lowest proportion):

- 1. China excluding Special Administrative Regions and Taiwan
- 2. India
- 3. Korea Republic of South
- 4. United Kingdom, Channel Islands and Isle of Man
- 5. Italy
- 6. New Zealand

- 7. Philippines
- 8. Hong Kong Special Administrative Region of China
- 9. Lebanon
- 10. Sri Lanka

Parramatta River has a higher proportion of people born outside Australia (48.23%) 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 Parramatta River 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 Parramatta River	Proportion of Place population
Australia	150769	51.77%
China excluding Special Administrative Regions and Taiwan	21228	7.29%
India	13868	4.76%
Korea Republic of South	9743	3.35%
United Kingdom, Channel Islands and Isle of Man	8365	2.87%
Italy	7717	2.65%
New Zealand	5045	1.73%
Philippines	3881	1.33%
Hong Kong Special Administrative Region of China	3864	1.33%
Lebanon	3155	1.08%
Sri Lanka	2581	0.89%
Vietnam	2355	0.81%
Malaysia	2279	0.78%
Greece	1830	0.63%
Indonesia	1724	0.59%
South Africa	1432	0.49%
Fiji	1297	0.45%
Ireland	1241	0.43%
United States of America	1120	0.38%
Thailand	1061	0.36%
Germany	973	0.33%
Egypt	944	0.32%
Poland Persons	944	0.32%
Singapore	868	0.30%
Japan	837	0.29%
Turkey	784	0.27%
Croatia	750	0.26%
Canada	553	0.19%
Malta	476	0.16%
Iraq	447	0.15%

Country of birth	People in Parramatta River	Proportion of Place population
Netherlands	402	0.14%
South Eastern Europe not further defined	376	0.13%
Bosnia and Herzegovina	329	0.11%
Cambodia	239	0.08%
Former Yugoslav Republic of Macedonia	221	0.08%
Born elsewhere	19414	6.67%
Country of birth not stated	18127	6.22%

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

Parramatta River	Sydney Metropolitan CMA region
China excluding Special Administrative	China excluding Special Administrative
Regions and Taiwan	Regions and Taiwan
India	United Kingdom, Channel Islands and Isle of Man
Korea Republic of South	Vietnam
United Kingdom, Channel Islands and Isle of Man	India
Italy	New Zealand
New Zealand	Lebanon
Philippines	Philippines
Hong Kong Special Administrative Region of China	Korea Republic of South
Lebanon	Italy
Sri Lanka	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 Parramatta River is shown in Table 10 (ABS 2012f). The ten languages other than English spoken at home by the highest proportion of people in Parramatta River are (in order of highest to lowest proportion):

- 1. Chinese Languages Mandarin
- 2. Chinese Languages Cantonese
- 3. Italian
- 4. Korean

- 5. Arabic
- 6. Indo Aryan Languages Other
- 7. Greek
- 8. Indo Aryan Languages Hindi
- 9. Spanish
- 10. Tamil

Parramatta River has a slightly higher proportion of people who speak languages other than English at home (48.53%) 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 Parramatta River 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 Parramatta River	Proportion of Place population
English only	149873	51.47%
Chinese Languages – Mandarin	18757	6.44%
Chinese Languages - Cantonese	13664	4.69%
Italian	13161	4.52%
Korean	11402	3.92%
Arabic	7905	2.71%
Indo Aryan Languages – Other	6417	2.20%
Greek	4998	1.72%
Indo Aryan Languages – Hindi	4455	1.53%
Spanish	3094	1.06%
Tamil	2900	1.00%
Chinese Languages – Other	2105	0.72%
Vietnamese	1919	0.66%
Indo Aryan Languages - Punjabi	1860	0.64%
Southeast Asian Austronesian Languages - Tagalog	1846	0.63%
Iranic Languages - Persian excluding Dari	1774	0.61%
Southeast Asian Austronesian Languages - Indonesian	1541	0.53%
Southeast Asian Austronesian Languages - Filipino	1293	0.44%
Croatian	1278	0.44%
Indo Aryan Languages - Bengali	1215	0.42%
Turkish	1195	0.41%
Thai	1034	0.36%
Japanese	1013	0.35%
Russian	995	0.34%
Serbian	918	0.32%
German	910	0.31%
Polish	902	0.31%
Indo Aryan Languages – Urdu	901	0.31%

Language spoken at home	People in Parramatta River	Proportion of Place population
French	834	0.29%
Indo Aryan Languages - Sinhalese	740	0.25%
Portuguese	724	0.25%
Iranic Languages – Dari	606	0.21%
Hungarian	390	0.13%
Maltese	303	0.10%
Macedonian	299	0.10%
Dutch	250	0.09%
Iranic Languages – Other	216	0.07%
Assyrian	195	0.07%
Southeast Asian Austronesian Languages - Other	192	0.07%
Samoan	176	0.06%
Khmer	105	0.04%
Australian Indigenous Languages	13	0.00%
Other languages	8545	2.93%
Language spoken at home not stated	18269	6.27%

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

Parramatta River	Sydney Metropolitan CMA region
Chinese Languages – Mandarin	Arabic
Chinese Languages - Cantonese	Chinese Languages – Mandarin
Italian	Chinese Languages – Cantonese
Korean	Vietnamese
Arabic	Greek
Indo Aryan Languages – Other	Italian
Greek	Spanish
Indo Aryan Languages – Hindi	Korean
Spanish	Indo Aryan Languages – Hindi
Tamil	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 Parramatta River in 2011 are shown in Table 12 (ABS 2012g).

Table 12 Numbers and proportions of people receiving various amounts of personal weekly income in Parramatta River in 2011 (ABS 2012g)

Negative or nil income	26471	10.92%
\$1-\$199	15143	6.25%
\$200-\$299	19214	7.92%
\$300-\$399	18925	7.81%
\$400-\$599	22215	9.16%
\$600-\$799	22076	9.11%
\$800-\$999	19340	7.98%
\$1000-\$1249	19831	8.18%
\$1250-\$1499	15455	6.37%
\$1500-\$1999	19663	8.11%
\$2000 or more	23009	9.49%
Personal income not stated	21118	8.71%

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 Parramatta River in 2011 are shown in Table 13 (ABS 2012h).

Table 13 Numbers and proportions of households receiving various amounts of weekly income in Parramatta River in 2011 (ABS 2012h).

Negative or nil income	2086	1.98%
\$1-\$199	1573	1.49%
\$200-\$299	2608	2.47%
\$300-\$399	4957	4.70%
\$400-\$599	7123	6.76%
\$600-\$799	6788	6.44%
\$800-\$999	6782	6.44%
\$1000-\$1249	7747	7.35%
\$1250-\$1499	7307	6.93%
\$1500-\$1999	12188	11.57%
\$2000-\$2499	8721	8.28%
\$2500-\$2999	11096	10.53%
\$3000-\$3499	6558	6.22%
\$3500-\$3999	3438	3.26%
\$4000 or more	6635	6.30%
Partial income stated	7606	7.22%
All incomes not stated	2163	2.05%

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

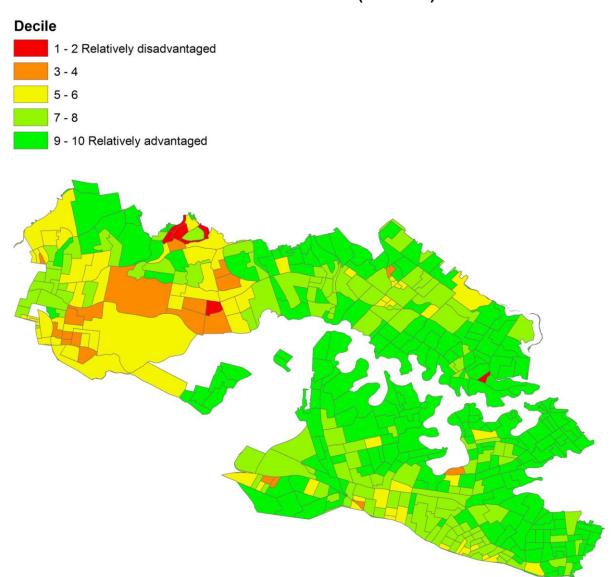
The Index of Relative Socio-economic Advantage and Disadvantage is a continuum of advantage (high score values) to disadvantage (low score values), and is derived from Australian Bureau of Statistics (ABS) Census variables related to both advantage and disadvantage (ABS 2008). It is one of four Socio-Economic 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 Parramatta River 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.

There are high proportions of 1-2 and 3-4 decile relatively disadvantaged Census Districts in the western parts of Parramatta River.

Figure 3 Index of Relative Socio-economic Advantage and Disadvantage deciles for Census Districts across Parramatta River 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 Parramatta River 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 Parramatta River in 2006 (ABS 2012i)

Employed, worked full-time	87098	33.20%
Employed, worked part-time	32272	12.30%
Employed, away from work	7452	2.84%
Total Employed	126822	48.35%
Unemployed, looking for full-time work	3747	1.43%
Unemployed, looking for part-time work	2637	1.01%
Total Unemployed	6384	2.43%
Not in the labour force	68046	25.94%
Not stated	17359	6.62%
Not applicable	43696	16.66%

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 Parramatta River in 2006 are shown in Table 15 (ABS 2012i). The proportions of people in each of the 17 categories in Parramatta River in 2006 compared to the overall Sydney Metropolitan CMA region are shown in Figure 4 (ABS 2012i).

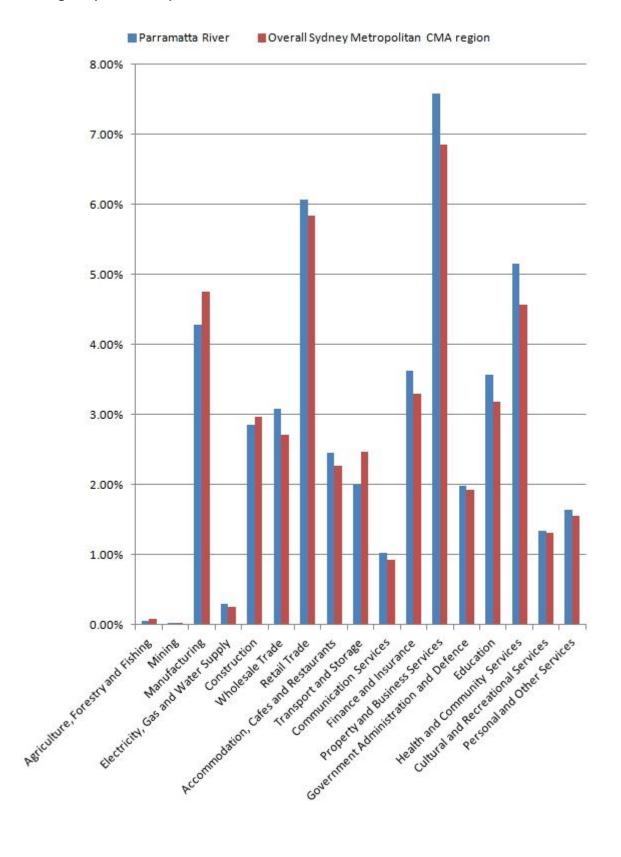
Parramatta River has higher proportions of people employed in the property and business services and health and community services industries than the overall Sydney Metropolitan CMA region, and a lower proportion of people employed in the manufacturing industry.

There are very low proportions of people working in the mining and agriculture, forestry and fishing industries in Parramatta River.

Table 15 Numbers and proportions of employed people in each of 17 categories of industry of employment in Parramatta River in 2006 (ABS 2012i)

Agriculture, Forestry and Fishing	147	0.06%
Mining	74	0.03%
Manufacturing	11254	4.29%
Electricity, Gas and Water Supply	803	0.31%
Construction	7503	2.86%
Wholesale Trade	8081	3.08%
Retail Trade	15940	6.08%
Accommodation, Cafes and Restaurants	6450	2.46%
Transport and Storage	5244	2.00%
Communication Services	2696	1.03%
Finance and Insurance	9503	3.62%
Property and Business Services	19889	7.58%
Government Administration and Defence	5204	1.98%
Education	9359	3.57%
Health and Community Services	13540	5.16%
Cultural and Recreational Services	3524	1.34%
Personal and Other Services	4315	1.65%
Non-Classifiable Economic Units	1661	0.63%
Not stated	1730	0.66%
Not applicable	135381	51.61%
Total	262298	

Figure 4 Proportions of employed people in each of 17 categories of industry of employment in Parramatta River 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 Parramatta River 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 Parramatta River in 2006 (ABS 2012i)

Managers and Administrators	13118	5.00%
Professionals	34781	13.26%
Associate Professionals	16107	6.14%
Tradespersons and Related Workers	10108	3.85%
Advanced Clerical and Service Workers	4837	1.84%
Intermediate Clerical, Sales and Service Workers	21835	8.32%
Intermediate Production and Transport Workers	6370	2.43%
Elementary Clerical, Sales and Service Workers	10717	4.09%
Labourers and Related Workers	6503	2.48%
Not stated	987	0.38%
Inadequately described	1588	0.61%
Not applicable	135361	51.60%
Total	262312	

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 Parramatta River 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 Parramatta River, 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 Parramatta River in 2011, listed in order of the industry categories with highest to lowest total business numbers (ABS 2012o)

	Numbers of businesses in turnover size ranges						
Industry	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	1728	823	1039	846	497	161	5094
Construction	963	1023	757	767	510	319	4339
Rental, Hiring and Real Estate Services	1386	876	799	673	357	132	4223
Financial and Insurance Services	1125	439	323	327	169	87	2470
Retail Trade	566	284	289	438	482	287	2346
Health Care and Social Assistance	296	236	339	535	336	49	1791
Transport, Postal and Warehousing	766	456	232	158	77	47	1736
Wholesale Trade	404	158	194	269	313	362	1700
Administrative and Support Services	619	292	246	239	178	87	1661
Accommodation and Food Services	153	184	229	455	267	89	1377
Other Services	285	197	256	248	169	37	1192
Manufacturing	245	137	159	183	189	194	1107
Arts and Recreation Services	197	84	89	65	55	6	496
Education and Training	171	69	97	82	55	21	495
Information Media and Telecommunications	189	73	72	47	37	39	457
Agriculture, Forestry and Fishing	184	29	27	24	9	6	279
Public Administration and Safety	39	14	18	20	40	15	146
Electricity, Gas, Water and Waste Services	16	12	3	12	24	12	79
Mining	6	3	3	0	0	0	12
Total	9338	5389	5171	5388	3764	1950	31000

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 that the Sydney Metropolitan CMA region, is the smallest scale at which these statistics are available.

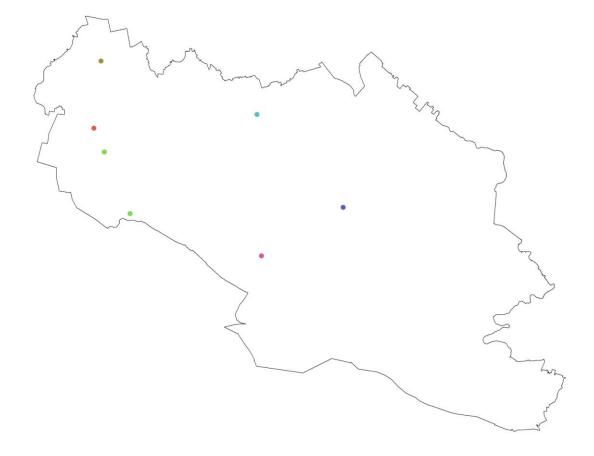
3.9 Primary production

The locations and types of primary producers in Parramatta River are shown in Figure 5.

Figure 5 Locations and types of primary producers in Parramatta River

Primary Producer Type

- Honey Bee Keeper
- Livestock Farm, 10 50 stock
- Livestock Farm, < 10 stock
- Livestock Farm, > 50 stock
- Mushroom Grower
- 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 Parramatta River in 2006 are shown in Table 18 (ABS 2012b).

Table 18 Numbers and proportions of people with non-school qualifications in Parramatta River in 2006 (ABS 2012b)

Postgraduate Degree Level	13679	5.22%
Graduate Diploma and Graduate Certificate Level	3805	1.45%
Bachelor Degree Level	41338	15.76%
Advanced Diploma and Diploma Level	18859	7.19%
Certificate Level	26399	10.07%
Level of education not stated	28742	10.96%
Level of education inadequately described	3868	1.47%
Not applicable	125560	47.88%

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 Parramatta River in 2011 are shown in Table 19 (ABS 2012j).

Table 19 Numbers and proportions of people attending educational institutions in Parramatta River in 2011 (proportions are of total attendance) (ABS 2012j)

Pre school	4496	4.97%
Infants and Primary school	18634	20.60%
Secondary school	15969	17.66%
Technical or Further Educational institution	6753	7.47%
University or other Tertiary Institution	19577	21.65%
Other type of educational institution	3103	3.43%
Type of educational institution not stated	21906	24.22%
Total attendance	90438	

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 Parramatta River 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)

Parramatta River has the second highest proportion of flats, units or apartments of all eight CMA Places (40.46%).

Table 20 Numbers and proportions of different dwelling types in Parramatta River in 2011 (ABS 2012k)

Separate houses	45542	40.30%
Semi detached, row or terrace houses, townhouses	13530	11.97%
Flats, units, or apartments	45724	40.46%
Other dwellings	366	0.32%
Dwelling structure not stated	182	0.16%
Total occupied dwellings	105344	93.21%
Unoccupied private dwellings	7672	6.79%
Total private dwellings	113016	

Table 21 Numbers of people living in each of the different dwelling types in Parramatta River in 2011 (ABS 2012k)

People in separate houses	134231
People in semi detached, row or terrace houses, townhouses	33447
People in flats, units, or apartments	97126
People in other dwellings	856
People in dwelling structure not stated	368
Total people in private dwellings	266028

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 Parramatta River in 2011 are shown in Table 22 (ABS 2012).

Table 22 Numbers and proportions of dwellings owned and rented in Parramatta River in 2011 (ABS 2012I)

Owned outright	28860	27.39%
Owned with a mortgage	32530	30.87%
Rented	40971	38.88%
Other tenure type	642	0.61%
Tenure type not stated	2367	2.25%

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 Parramatta River in 2011 are shown in Table 23 (ABS 2012m).

In Parramatta River, 75.92% of dwellings have a broadband internet connection, with only 2.34% of dwellings still having a dial up connection. However, 14.97% of dwellings have no internet connection.

Table 23 Numbers and proportions of types of home internet connection in dwellings in Parramatta River in 2011 (ABS 2012m)

Broadband	79947	75.92%
Dial up	2468	2.34%
Other type of internet connection	3736	3.55%
Total dwellings with internet connection	86151	81.81%
No internet connection	15768	14.97%
Internet connection not stated	3385	3.21%

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 Parramatta River 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 Parramatta River, so their use needs to consider the information in Section 1.4Error! Reference source not found. of this report.

Table 24 Quality of Life survey rankings for Local Government areas across Parramatta River (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
Hunters Hill	2
Canada Bay	121
Ryde	137
Leichhardt	182
Strathfield	310
Ashfield	406
Burwood	472
Parramatta	494
Marrickville	538
Auburn	562

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.

Canada Bay is located within Parramatta River. Because gentrification causes low income owners and renters to be diverted over time to other locations the impacts of the gentrification of this area is likely to be being felt in other parts of Parramatta River or in other CMA Places.

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 Parramatta River 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.

Table 25 Numbers and proportions of volunteers in Parramatta River in 2011 (ABS 2012n)

Volunteer	36106	14.89%
Not a volunteer	184646	76.17%
Voluntary work not stated	21663	8.94%
Total	242415	

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).

6 References

Ausgrid, 2011, Average Household Consumption, viewed 2 August 2012, http://www.ausgrid.com.au/Common/About-us/Sharing-information/Data-to-share/~/media/Files/About%20Us/Sharing%20Information/Avg%20household%20consumption%202011.pdf

Australian Bureau of Statistics, 2008, Census of Population and Housing: Socio-Economic Indexes for Areas (SEIFA), Australia - Data only, 2006, cat. no. 2033.0.55.001, viewed 12 August 2012.

http://www.abs.gov.au/AUSSTATS/abs@.nsf/Lookup/2033.0.55.001Main+Features12006?OpenDocument

Australian Bureau of Statistics, 2011a, 2011 Census Dictionary, Glossary, 'Australian Statistical Geography Standard (ASGS)', viewed 11 August 2012, http://www.abs.gov.au/ausstats/abs@.nsf/Lookup/2901.0Chapter23102011

Australian Bureau of Statistics, 2011b, 2011 Census Dictionary, Glossary, 'Place of Usual Residence (PURP)', viewed 11 August 2012,

http://www.abs.gov.au/ausstats/abs@.nsf/Lookup/2901.0Chapter47302011

Australian Bureau of Statistics, 2011c, 2011 Census Dictionary, Glossary, 'Estimated Resident Population (ERP)', viewed 11 August 2012, http://www.abs.gov.au/ausstats/abs@.nsf/Lookup/2901.0Chapter31702011

Australian Bureau of Statistics, 2012a, *Basic Community Profile, Statistical Area Level 1, NSW*, 'Table B01. Selected Person Characteristics by Sex, 2011 Census DataPack, viewed 2 August 2012,

http://www.abs.gov.au/websitedbs/censushome.nsf/home/datapacks?opendocument&navpos=250

Australian Bureau of Statistics, 2012b, *Relationship database 2006*, TableBuilder Basic, viewed 2 August 2012,

http://www.abs.gov.au/websitedbs/censushome.nsf/home/tablebuilder?opendocument&navpos=240

Australian Bureau of Statistics, 2012c, *Regional Population Growth, Australia, 2011*, cat. no. 3218.0, viewed 11 August 2012, http://www.abs.gov.au/ausstats/abs@.nsf/mf/3218.0/

Australian Bureau of Statistics, ABS 2012d, *Basic Community Profile, Statistical Area Level 1, NSW*, 'Table B25. Family Composition', 2011 Census DataPack, viewed 2 August 2012, http://www.abs.gov.au/websitedbs/censushome.nsf/home/datapacks?opendocument&navpos=250

Australian Bureau of Statistics, 2012e, *Basic Community Profile, Statistical Area Level 1, NSW*, 'Table B09. Country of Birth of Person by Sex', 2011 Census DataPack, viewed 2 August 2012,

http://www.abs.gov.au/websitedbs/censushome.nsf/home/datapacks?opendocument&navpos=250

Australian Bureau of Statistics, 2012f, *Basic Community Profile, Statistical Area Level 1, NSW*, 'Table B13. Language Spoken at Home by Sex', 2011 Census DataPack, viewed 2 August 2012.

http://www.abs.gov.au/websitedbs/censushome.nsf/home/datapacks?opendocument&navpos=250

Australian Bureau of Statistics, 2012g, *Basic Community Profile, Statistical Area Level 1, NSW*, 'Table B17. Total Personal Income (Weekly) by Age by Sex', 2011 Census DataPack, viewed 2 August 2012,

http://www.abs.gov.au/websitedbs/censushome.nsf/home/datapacks?opendocument&navpos=250

Australian Bureau of Statistics, 2012h, *Basic Community Profile, Statistical Area Level 1, NSW*, 'Table B28. Total Household Income (Weekly) by Household Composition', 2011 Census DataPack, viewed 2 August 2012,

http://www.abs.gov.au/websitedbs/censushome.nsf/home/datapacks?opendocument&navpos=250

Australian Bureau of Statistics, ABS 2012i, *Labour Force database 2006*, TableBuilder Basic, viewed 2 August 2012.

http://www.abs.gov.au/websitedbs/censushome.nsf/home/tablebuilder?opendocument&navpos=240

Australian Bureau of Statistics, 2012j, *Basic Community Profile, Statistical Area Level 1, NSW*, 'Table B15. Type of Educational Institution Attending (Full/Part-Time Student Status by Age) by Sex', 2011 Census DataPack, viewed 2 August 2012,

http://www.abs.gov.au/websitedbs/censushome.nsf/home/datapacks?opendocument&navpos=250

Australian Bureau of Statistics, 2012k, *Basic Community Profile, Statistical Area Level 1, NSW*, 'Table B31. Dwelling Structure', 2011 Census DataPack, viewed 2 August 2012, http://www.abs.gov.au/websitedbs/censushome.nsf/home/datapacks?opendocument&navpos=250

Australian Bureau of Statistics, 2012I, *Basic Community Profile, Statistical Area Level 1, NSW*, 'Table B32. Tenure Type and Landlord Type by Dwelling Structure', 2011 Census DataPack, viewed 2 August 2012,

http://www.abs.gov.au/websitedbs/censushome.nsf/home/datapacks?opendocument&navpos=250

Australian Bureau of Statistics, 2012m), *Basic Community Profile, Statistical Area Level 1, NSW*, 'Table B35. Type of Internet Connection by Dwelling Structure', 2011 Census DataPack, viewed 2 August 2012,

http://www.abs.gov.au/websitedbs/censushome.nsf/home/datapacks?opendocument&navpos=250

Australian Bureau of Statistics, 2012n, *Basic Community Profile, Statistical Area Level 1, NSW*, 'Table B19. Voluntary Work for an Organisation or Group by Age by Sex', 2011 Census DataPack, viewed 2 August 2012,

http://www.abs.gov.au/websitedbs/censushome.nsf/home/datapacks?opendocument&navpos=250

Australian Bureau of Statistics, 2012o, Counts of Australian Businesses, including Entries and Exits, Jun 2007 to Jun 2011, cat. no. 8165.0, viewed 8 September 2012, http://www.abs.gov.au/ausstats/abs@.nsf/mf/8165.0

Australian Housing and Urban Research Institute (AHURI), 2011, *Gentrification and displacement: the household impacts of neighbourhood change*, viewed 11 August 2012, http://www.ahuri.edu.au/publications/p40548/

BankWest, 2008a, *Quality of Life Index 2008 - Quality of Life Report*, viewed 2 August 2012, http://www.bankwest.com.au/media-centre/financial-indicator-series/bankwest-quality-of-life-index-2008-1269940008245#

BankWest, 2008b, *Quality of Life Index 2008 - Quality of Life Report - NSW*, viewed 2 August 2012, http://www.bankwest.com.au/media-centre/financial-indicator-series/bankwest-quality-of-life-index-2008-1269940008245#

BankWest, 2008c, *Quality of Life Index 2008 – Complete Quality of life Rankings*, viewed 2 August 2012, http://www.bankwest.com.au/media-centre/financial-indicator-series/bankwest-quality-of-life-index-2008-1269940008245#

Independent Pricing and Regulatory Tribunal, 2007, Residential energy and water use in Sydney, the Blue Mountains and Illawarra - Results from the 2006 household survey, Electricity, Gas and Water - Research Paper 29, November 2007, viewed 2 August 2012, http://www.ipart.nsw.gov.au/files/33022cc2-4a20-41d2-a3f6-9f5d00ae4f0f/IPART Household Survey 2006 -

Residential energy and water use in Sydney the Blue Mountains and Illawarra - 3 December 2007 - APD - WEB.pdf

Natural Resources Commission, 2012, Framework for assessing and recommending upgraded catchment action plans, Version 2, June 2012, NSW Natural Resources

Commission Document No. D11/0769, viewed 2 August 2012, http://www.nrc.nsw.gov.au/content/documents/Framework%20for%20CAPs2.pdf