

Air Emissions in My Community web tool: Geographical areas information

Information on the hierarchy of geographical areas, where emission data is provided in the Air Emissions in My Community web tool, is presented in this fact sheet.

The Greater Metropolitan Region

The entire region is defined as the Greater Metropolitan Region (GMR) and is shown in Figure 1. The GMR measures 210 km (east-west) by 273 km (north-south) and is defined in Australian Map Grid coordinates in Table 1, along with the sub-regions.

Table 1 The definition of the Greater Metropolitan, Sydney, Newcastle and Wollongong regions

Region	South-west corner MGA* co-ordinates		North-east corner MGA* co-ordinates	
	Easting (km)	Northing (km)	Easting (km)	Northing (km)
Greater Metropolitan	210	6159	420	6432
Sydney	261	6201	360	6300
Newcastle	360	6348	408	6372
Wollongong	279	6174	318	6201

* MGA = Map Grid of Australia based on the Geocentric Datum of Australia 1994 (GDA94)

The geographical area hierarchy

Several levels of geographical area are defined within the GMR in a hierarchy of increasing spatial resolution. These are shown in Figure 2 and described briefly in Table 2.

Table 2 The hierarchy of geographical areas used in the Air Emissions in My Community web tool

Geographical area	Hierarchy level	Description
GMR	1	The entire region
Regions	2	Sub-regions
Statistical Divisions	2	Geographical areas defined by the Australian Bureau of Statistics in the Australian Standard Geographical Classification (ASGC)
Statistical Subdivisions	3	Sub-areas of ASGC statistical divisions
Local Government Areas (LGAs)	4	Sub-areas of ASGC statistical subdivisions defined as Local Government (council) Areas
Postcodes	5	Australia Post defined postal delivery areas. These are independent of the ASGC and generally smaller than LGAs

Regions

The NSW Air Emissions Inventory defines four sub-regions within the GMR. These are listed in Table 3 with their respective land areas and 2008 population estimates.



Figure 1 Definition of Greater Metropolitan, Sydney, Newcastle and Wollongong regions

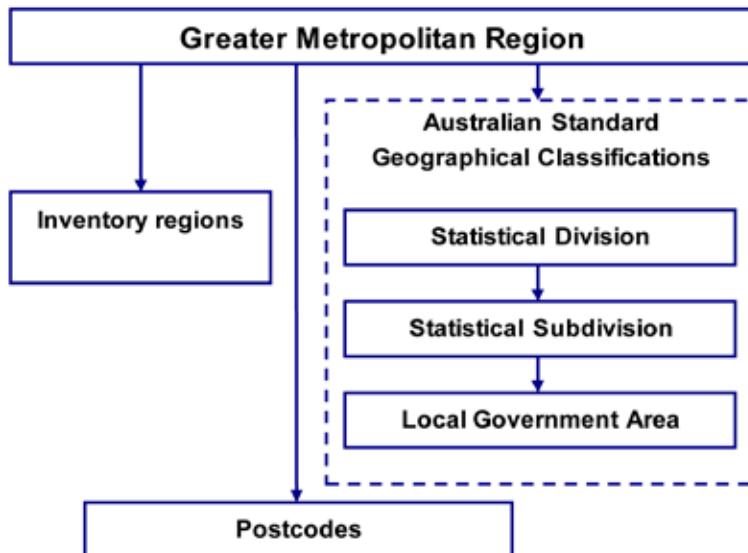


Figure 2 The geographical area hierarchy used in the Air Emissions in My Community web tool

Table 3 Definition of inventory regions

Region	Land area (km ²)	2008 population
Sydney urban area	9,801	4,158,888
Newcastle urban area	1,152	266,576
Wollongong urban area	1,053	196,321
Non-urban area (remainder of the GMR)	45,324	662,775

The three urban areas are defined as rectangular areas as shown in Figure 1 and defined in map coordinates in Table 1. Note that all four of these regions include some ocean area with associated emission sources (e.g. marine aerosol, shipping, boating, aircraft flight paths over the ocean). The four regions in total comprise the entire GMR.

Statistical Divisions

Statistical Divisions are defined in the Australian Standard Geographical Classification (ASGC). The ASGC is a hierarchical geographical classification system that is defined by the Australian Bureau of Statistics for the main purpose of collecting and disseminating geographically classified statistics.

The entire state of NSW is divided into 12 Statistical Divisions, of which six lie wholly or partially within the GMR as shown in Figure 3 and Figure 4. The land area and 2008 population estimates for each division are listed in Table 4.

Table 4 ASGC Statistical Divisions within the GMR – land areas and population

Statistical Division	Land area (km ²)	2008 population
Sydney	12,136.8	4,301,496
Hunter	15,320.2	570,155
Illawarra	3,560.2	318,542
South Eastern	1,190.0	843
Central West	7,680.9	24,967
North Western*	1,190.0	

* In the Air Emissions in My Community web tool, the Central West and North Western divisions have been combined as no emissions data is available for the small portion of the rural North Western division.

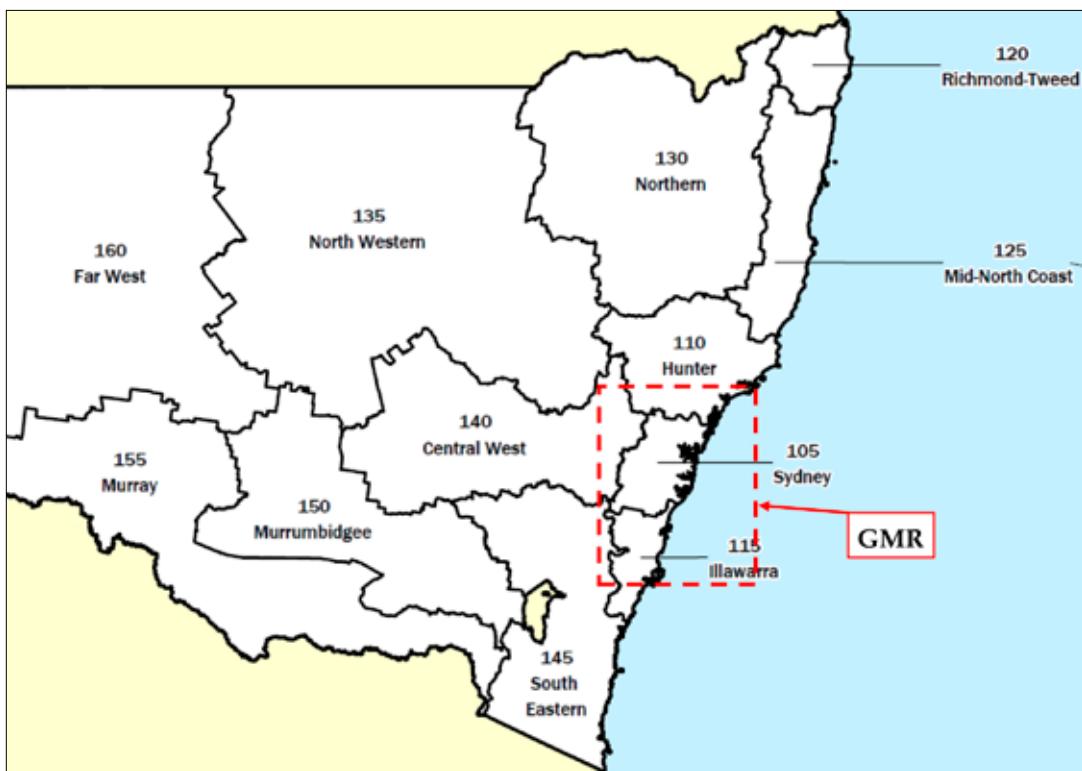


Figure 3 NSW Statistical Divisions and the GMR

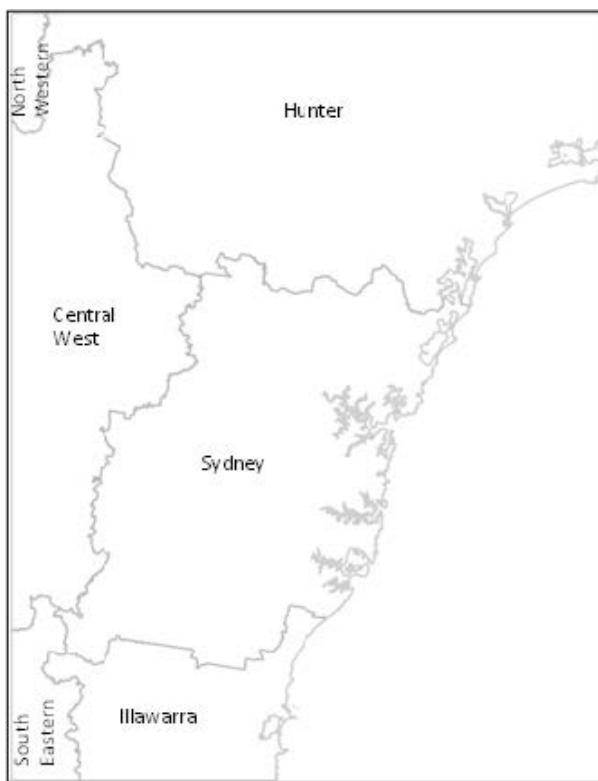


Figure 4 Statistical Divisions within the GMR

Statistical Subdivisions

Statistical Subdivisions are defined in the ASGC. Statistical Subdivisions are at the next lower hierarchy below Statistical Divisions. Each Statistical Division is comprised of the sum of one or more whole Statistical Subdivisions.

The 20 subdivisions contained wholly or partially within the GMR are shown in Figures 5 and 6. The land area and 2008 population estimates are listed in Table 5.

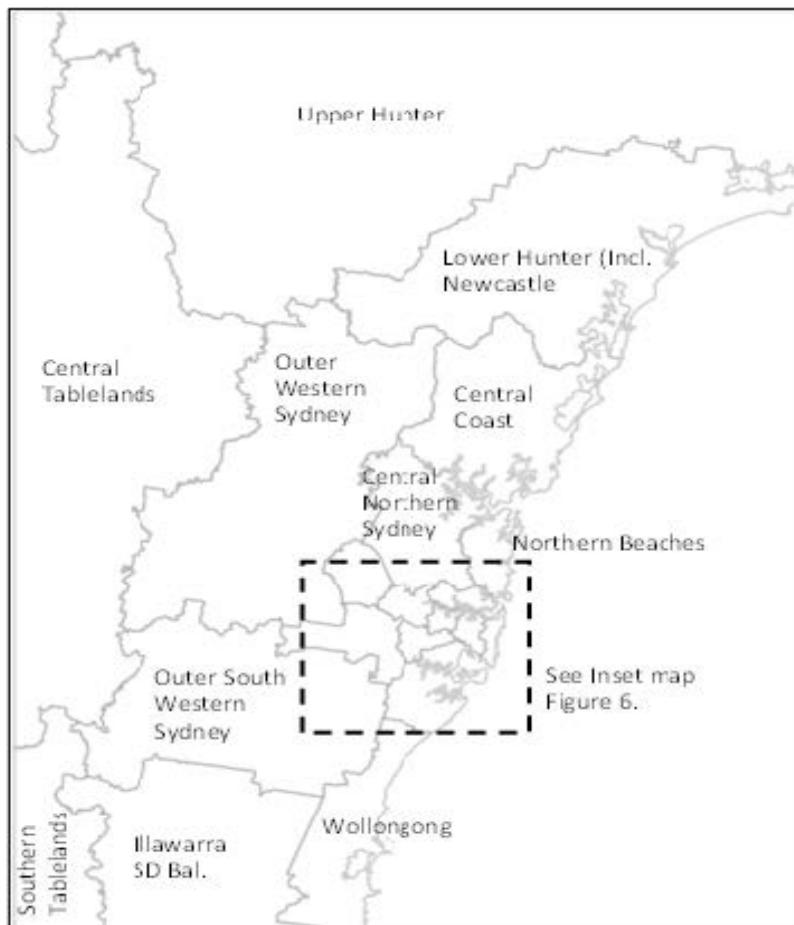


Figure 5
Statistical Sub-divisions within the GMR

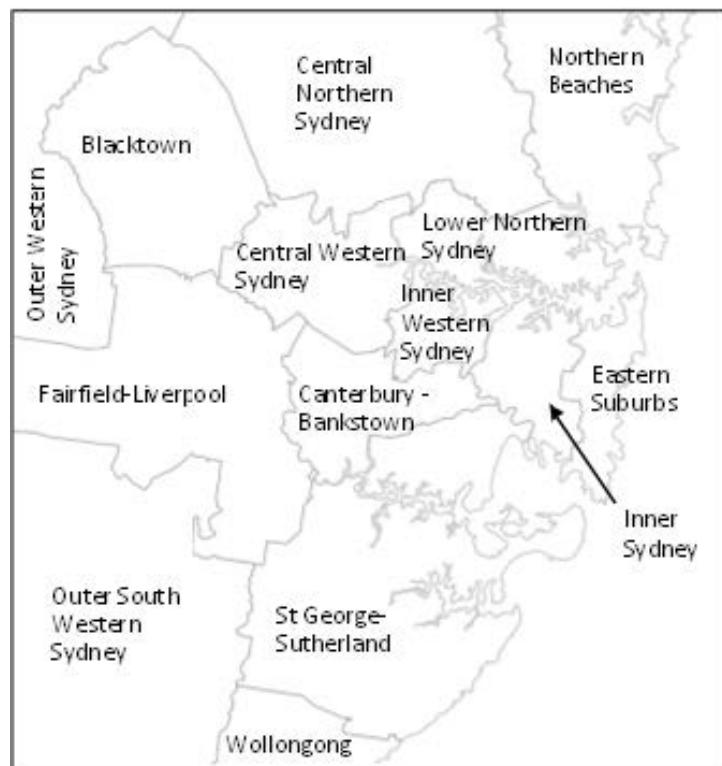


Figure 6 GMR Subdivision inset map

Table 5 ASGC Statistical Subdivisions within the GMR – land areas and population

Statistical Division	Statistical Subdivision	Land area (km ²)	2008 population
Sydney	Inner Sydney	75.5	327,263
	Eastern Suburbs	57.8	232,875
	St George-Sutherland	400.1	441,943
	Canterbury-Bankstown	110.4	312,669
	Fairfield-Liverpool	407.0	367,578
	Outer South Western Sydney	3,070.9	205,660
	Inner Western Sydney	49.2	175,776
	Central Western Sydney	134.0	317,318
	Outer Western Sydney	4,612.2	361,173
	Blacktown	240.1	286,162
	Lower Northern Sydney	98.2	297,171
	Central Northern Sydney	948.0	438,480
	Northern Beaches	254.0	229,513
	Central Coast*	1,679.4	307,914
Hunter	Lower Hunter (including Newcastle)*	4,031.8	520,642
	Upper Hunter*	11,288.5	
Illawarra	Wollongong	1,000.0	49,513
	Illawarra (Statistical Division balance)	2,560.2	272,981
Central West	Central Tablelands*	8,323.1	45,561
South Eastern	Southern Tablelands*	1,190.0	24,967

* These subdivisions have been renamed from the official ASGC names to better align with common usage

Local Government Areas

Local Government Areas (LGAs) are defined in the ASGC under a separate geographic structure to the Statistical Divisions and Statistical Subdivisions. However, Statistical Subdivisions and LGAs are built from the common building block of statistical local areas. Both Statistical Subdivisions and LGAs comprise one or more whole statistical local areas.

Sixty five LGAs reside either wholly or partially within the GMR. The LGA land area and 2008 population estimates are listed in Table 6. Due to the small size of many of the inner-city LGA, a map is not provided. Maps are available from the Australian Bureau of Statistics from:

www.abs.gov.au/AUSSTATS/abs%40.nsf/DetailsPage/1216.0July%202011?OpenDocument

Note the NSW map document is a large file (80 MB).

Table 6 LGAs within the GMR – land areas and population

Statistical Division	Statistical Subdivision	LGA	Land area (km ²)	Population
Sydney	Inner Western Sydney	Ashfield	8.3	47,887
Sydney	Central Western Sydney	Auburn	32.5	69,555
Sydney	Canterbury-Bankstown	Bankstown	77.6	174,326
Central West	Central Tablelands	Bathurst Regional	42.9	157
Sydney	Central Northern Sydney	Baulkham Hills	400.6	170,925
Sydney	Blacktown	Blacktown	240.2	286,162
Sydney	Outer Western Sydney	Blue Mountains	1432.5	78,427
Sydney	Inner Sydney	Botany Bay	27.0	33,316

Statistical Division	Statistical Subdivision	LGA	Land area (km²)	Population
Sydney	Inner Western Sydney	Burwood	7.1	30,277
Sydney	Outer South Western Sydney	Camden	200.9	55,287
Sydney	Outer South Western Sydney	Campbelltown	311.2	150,373
Sydney	Inner Western Sydney	Canada Bay	19.8	58,880
Sydney	Canterbury-Bankstown	Canterbury	33.5	138,343
Hunter	Lower Hunter (including Newcastle)	Cessnock	1964.9	48,845
Hunter	Upper Hunter	Dungog	1631.4	7,659
Sydney	Fairfield-Liverpool	Fairfield	101.6	189,024
Sydney	Central Coast	Gosford	1026.6	162,826
South Eastern	Southern Tablelands	Goulburn Mulwaree	139.0	341
Hunter	Upper Hunter	Great Lakes	1230.0	4,062
Sydney	Outer Western Sydney	Hawkesbury	2775.8	62,416
Sydney	Central Western Sydney	Holroyd	40.2	95,192
Sydney	Central Northern Sydney	Hornsby	506.7	160,612
Sydney	Lower Northern Sydney	Hunters Hill	5.7	9,295
Sydney	St George-Sutherland	Hurstville	24.8	81,935
Illawarra	Wollongong	Kiama	169.1	14,586
Sydney	St George-Sutherland	Kogarah	19.4	57,349
Sydney	Central Northern Sydney	Ku-ring-gai	85.4	106,943
Hunter	Lower Hunter (including Newcastle)	Lake Macquarie	757.2	195,295
Sydney	Lower Northern Sydney	Lane Cove	10.4	28,511
Sydney	Inner Sydney	Leichhardt	10.3	39,692
Central West	Central Tablelands	Lithgow	4313.1	19,595
Sydney	Fairfield-Liverpool	Liverpool	306.2	178,554
Hunter	Lower Hunter (including Newcastle)	Maitland	392.5	66,554
Sydney	Northern Beaches	Manly	15.2	33,804
Sydney	Inner Sydney	Marrickville	16.5	86,873
Central West	Central Tablelands	Mid-western Regional	2546.7	3,412
Sydney	Lower Northern Sydney	Mosman	8.5	30,915
Hunter	Upper Hunter	Muswellbrook	2983.0	15,221
Hunter	Lower Hunter (including Newcastle)	Newcastle	215.0	150,930
Sydney	Lower Northern Sydney	North Sydney	10.5	53,850
Central West	Central Tablelands	Oberon	1419.1	1,803
Sydney	Central Western Sydney	Parramatta	61.3	152,570
Sydney	Outer Western Sydney	Penrith	404.0	177,459
Sydney	Northern Beaches	Pittwater	109.0	54,586
Hunter	Lower Hunter (including Newcastle)	Port Stephens	939.8	59,017
Sydney	Eastern Suburbs	Randwick	37.4	130,955
Sydney	St George-Sutherland	Rockdale	30.1	89,735
Sydney	Lower Northern Sydney	Ryde	40.6	105,073
Illawarra	Wollongong	Shellharbour	155.0	65,104

Statistical Division	Statistical Subdivision	LGA	Land area (km ²)	Population
Illawarra	Illawarra Statistical Division balance	Shoalhaven	40.1	81
Hunter	Upper Hunter	Singleton	4810.6	22,222
Sydney	Inner Western Sydney	Strathfield	13.9	38,732
Sydney	St George-Sutherland	Sutherland	368.6	212,924
Sydney	Inner Sydney	Sydney	26.4	167,382
Unincorporated	Unincorporated	Unincorporated	77.5	42,682
Hunter	Upper Hunter	Upper Hunter	638.0	350
South Eastern	Southern Tablelands	Upper Lachlan	1051.1	502
Sydney	Northern Beaches	Warringah	153.1	141,123
Sydney	Eastern Suburbs	Waverley	9.4	57,147
Sydney	Lower Northern Sydney	Willoughby	22.2	69,528
Illawarra	Illawarra Statistical Division balance	Wingecarribee	2520.8	45,480
Sydney	Outer Western Sydney	Wollondilly	2557.8	42,871
Illawarra	Wollongong	Wollongong	715.4	193,292
Sydney	Eastern Suburbs	Woollahra	12.2	44,773
Sydney	Central Coast	Wyong	821.5	145,088

Postcodes

Postcodes are defined by Australia Post and in general do not share common boundaries or have a direct relationship to the other geographical areas defined by the ASGC. For example, a postcode may reside in two or more LGAs, Statistical Subdivisions or even Statistical Divisions.

Three hundred and forty-six postcodes reside either wholly or partially within the GMR. The postcode land area and 2008 population estimates are listed in Table 7. Due to the small size of many of the inner-city LGA, a map is not provided.

Table 7 Postcodes within the GMR – land areas and population

Postcode	Region	Land area (km ²)	Population
0	N/A	256.2	35,045
2000	Sydney	4.4	28,229
2007	Sydney	0.6	8,994
2008	Sydney	0.8	6,267
2009	Sydney	0.9	3,364
2010	Sydney	2.2	13,807
2011	Sydney	1.4	17,531
2015	Sydney	4.2	15,119
2016	Sydney	1.2	19,968
2017	Sydney	2.0	11,379
2018	Sydney	3.9	12,516
2019	Sydney	6.5	11,141
2020	Sydney	12.1	10,588
2021	Sydney	5.6	25,161
2022	Sydney	1.9	15,912
2023	Sydney	2.4	10,621
2024	Sydney	1.9	17,904

Postcode	Region	Land area (km ²)	Population
2214	Sydney	5.5	4,523
2216	Sydney	5.4	29,899
2217	Sydney	6.5	21,486
2218	Sydney	2.7	14,669
2219	Sydney	5.2	12,594
2220	Sydney	5.1	27,081
2221	Sydney	7.3	16,375
2222	Sydney	2.5	14,687
2223	Sydney	8.6	16,934
2224	Sydney	6.5	11,520
2225	Sydney	3.1	5,553
2226	Sydney	5.8	9,479
2227	Sydney	5.0	11,423
2228	Sydney	6.6	19,580
2229	Sydney	16.1	29,055
2230	Sydney	13.7	25,520
2231	Sydney	32.7	2,179

Postcode	Region	Land area (km²)	Population
2025	Sydney	1.3	5,633
2026	Sydney	3.6	30,547
2027	Sydney	1.3	7,996
2028	Sydney	0.8	4,454
2029	Sydney	2.5	8,279
2030	Sydney	4.7	14,491
2031	Sydney	6.2	28,756
2032	Sydney	2.5	8,356
2033	Sydney	2.7	15,718
2034	Sydney	3.1	20,302
2035	Sydney	8.2	28,264
2036	Sydney	16.6	29,016
2037	Sydney	2.1	23,613
2038	Sydney	1.5	6,292
2039	Sydney	1.8	10,118
2040	Sydney	4.8	14,004
2041	Sydney	2.4	10,967
2042	Sydney	2.0	8,361
2043	Sydney	0.8	5,966
2044	Sydney	3.9	11,310
2045	Sydney	2.4	10,049
2046	Sydney	6.0	24,931
2047	Sydney	2.3	12,151
2048	Sydney	1.2	12,884
2049	Sydney	1.9	15,425
2050	Sydney	1.5	11,289
2060	Sydney	2.7	14,403
2061	Sydney	0.6	6,528
2062	Sydney	1.6	9,569
2063	Sydney	2.7	5,229
2064	Sydney	2.5	11,870
2065	Sydney	5.6	22,337
2066	Sydney	9.5	25,933
2067	Sydney	5.8	26,168
2068	Sydney	5.6	15,230
2069	Sydney	7.4	10,407
2070	Sydney	7.5	12,081
2071	Sydney	7.8	11,155
2072	Sydney	3.8	7,335
2073	Sydney	10.2	15,145
2074	Sydney	22.1	19,314
2075	Sydney	17.8	18,924
2076	Sydney	15.8	22,983
2077	Sydney	22.8	35,358
2079	Sydney	11.4	6,032

Postcode	Region	Land area (km²)	Population
2232	Sydney	15.7	35,164
2233	Sydney	183.7	27,916
2234	Sydney	42.0	32,624
2250	Non-urban	700.7	65,114
2251	Sydney	61.5	32,683
2256	Sydney	97.7	18,015
2257	Sydney	45.5	25,250
2258	Non-urban	121.1	5,591
2259	Non-urban	525.5	50,414
2260	Non-urban	23.6	21,742
2261	Non-urban	52.1	50,849
2262	Non-urban	34.0	19,661
2263	Non-urban	21.8	22,136
2264	Non-urban	115.2	10,932
2265	Non-urban	136.0	5,073
2267	Non-urban	3.6	981
2278	Newcastle	44.6	2,967
2280	Non-urban	28.8	26,387
2281	Non-urban	34.2	13,401
2282	Newcastle	10.8	13,590
2283	Non-urban	59.5	21,419
2284	Newcastle	24.0	11,908
2285	Newcastle	32.6	27,274
2286	Newcastle	25.0	3,345
2287	Newcastle	38.6	30,485
2289	Newcastle	11.3	22,187
2290	Newcastle	36.2	32,070
2291	Newcastle	7.3	12,202
2292	Newcastle	3.2	2,546
2293	Newcastle	1.4	2,584
2294	Newcastle	2.1	2,100
2295	Newcastle	12.3	4,652
2296	Newcastle	0.7	1,255
2297	Newcastle	1.7	1,830
2298	Newcastle	4.1	10,658
2299	Newcastle	5.4	11,143
2300	Newcastle	7.1	10,900
2302	Newcastle	0.8	448
2303	Newcastle	3.1	10,078
2304	Newcastle	49.8	14,592
2305	Newcastle	8.4	11,554
2306	Newcastle	1.6	4,201
2307	Newcastle	6.1	4,117
2308	Newcastle	1.4	779
2311	Non-urban	469.9	746

Postcode	Region	Land area (km ²)	Population
2080	Sydney	10.9	2,575
2081	Sydney	42.9	5,726
2082	Sydney	22.7	4,756
2083	Sydney	78.8	1,583
2084	Sydney	14.6	2,572
2085	Sydney	16.5	12,253
2086	Sydney	8.4	12,646
2087	Sydney	8.7	11,165
2088	Sydney	8.5	31,013
2089	Sydney	1.5	9,806
2090	Sydney	2.1	7,975
2092	Sydney	3.1	4,837
2093	Sydney	7.3	21,042
2094	Sydney	1.2	5,688
2095	Sydney	5.6	12,463
2096	Sydney	3.3	13,102
2097	Sydney	4.9	12,580
2099	Sydney	12.9	38,426
2100	Sydney	19.4	17,967
2101	Sydney	29.2	17,644
2102	Sydney	4.2	5,957
2103	Sydney	4.9	11,157
2104	Sydney	3.6	3,986
2105	Sydney	1.8	676
2106	Sydney	3.8	6,421
2107	Sydney	7.5	14,297
2108	Sydney	114.3	1,280
2110	Sydney	4.1	7,912
2111	Sydney	4.7	15,744
2112	Sydney	9.3	27,076
2113	Sydney	13.3	21,000
2114	Sydney	7.1	23,710
2115	Sydney	3.8	7,864
2116	Sydney	3.6	8,924
2117	Sydney	7.2	17,030
2118	Sydney	8.5	20,565
2119	Sydney	6.5	11,680
2120	Sydney	13.9	19,833
2121	Sydney	9.2	25,631
2122	Sydney	9.1	23,813
2125	Sydney	9.4	14,816
2126	Sydney	8.3	20,149
2127	Sydney	8.2	11,548
2128	Sydney	2.7	693
2130	Sydney	1.2	6,727

Postcode	Region	Land area (km ²)	Population
2315	Non-urban	15.0	6,924
2316	Non-urban	74.1	5,778
2317	Non-urban	9.4	5,255
2318	Non-urban	272.1	11,476
2319	Non-urban	26.5	5,940
2320	Non-urban	425.0	26,942
2321	Non-urban	361.1	9,813
2322	Newcastle	164.0	18,193
2323	Non-urban	217.3	25,766
2324	Non-urban	547.5	19,628
2325	Non-urban	1408.3	25,501
2326	Non-urban	81.1	6,776
2327	Non-urban	15.2	6,897
2328	Non-urban	1605.8	2,595
2329	Non-urban	528.9	287
2330	Non-urban	4816.2	20,152
2331	Non-urban	137.3	201
2333	Non-urban	1302.7	12,565
2334	Non-urban	20.7	2,442
2335	Non-urban	270.1	4,553
2336	Non-urban	0.7	N/A
2415	Non-urban	221.0	409
2420	Non-urban	718.8	3,867
2421	Non-urban	244.6	1,626
2422	Non-urban	54.1	118
2423	Non-urban	212.4	245
2425	Non-urban	517.7	1,655
2500	Wollongong	27.3	36,593
2502	Wollongong	9.4	11,163
2505	Wollongong	15.8	5,621
2506	Wollongong	7.2	8,399
2508	Sydney	163.1	8,746
2515	Non-urban	14.2	10,601
2516	Wollongong	8.0	6,647
2517	Wollongong	9.9	11,480
2518	Wollongong	12.8	19,753
2519	Wollongong	9.2	17,049
2525	Wollongong	8.4	11,318
2526	Wollongong	132.3	17,133
2527	Non-urban	95.7	20,624
2528	Non-urban	12.5	23,193
2529	Non-urban	40.2	23,980
2530	Wollongong	89.8	29,662
2533	Non-urban	95.5	15,292
2535	Non-urban	28.8	6

Postcode	Region	Land area (km²)	Population
2179	Sydney	35.6	5,187
2190	Sydney	9.7	24,382
2191	Sydney	1.8	7,929
2192	Sydney	2.8	9,177
2193	Sydney	4.2	16,523
2194	Sydney	3.3	17,030
2195	Sydney	3.5	26,463
2196	Sydney	7.2	24,187
2197	Sydney	3.0	10,315
2198	Sydney	3.3	7,520
2199	Sydney	4.6	14,890
2200	Sydney	14.0	39,430
2203	Sydney	2.1	23,259
2204	Sydney	5.8	17,624
2205	Sydney	4.2	11,964
2206	Sydney	5.9	21,662
2207	Sydney	7.2	25,896
2208	Sydney	4.5	9,633
2209	Sydney	4.3	14,501
2210	Sydney	12.0	28,734
2211	Sydney	7.9	18,477
2212	Sydney	6.6	10,617
2213	Sydney	9.9	19,541

Postcode	Region	Land area (km²)	Population
2770	Sydney	25.0	58,244
2773	Sydney	8.4	7,565
2774	Sydney	21.4	12,751
2775	Non-urban	839.5	1,645
2776	Sydney	15.4	4,861
2777	Sydney	54.7	17,059
2778	Sydney	14.2	2,322
2779	Sydney	12.2	4,799
2780	Non-urban	40.9	12,366
2782	Non-urban	21.1	5,442
2783	Sydney	7.5	2,315
2784	Sydney	6.2	1,158
2785	Non-urban	112.0	4,365
2786	Non-urban	84.7	1,122
2787	Non-urban	3253.8	1,845
2790	Non-urban	2500.8	14,617
2795	Non-urban	197.8	368
2845	Non-urban	67.3	1,728
2846	Non-urban	615.9	308
2847	Non-urban	98.3	2,440
2848	Non-urban	162.0	1,690
2849	Non-urban	2687.4	1,529
2850	Non-urban	581.5	388

About the EPA

The EPA is an independent statutory authority and the principal environmental regulator in NSW. It leads the state's response to managing a diverse range of activities that can impact on the health of the NSW environment and its people, using a mix of tools including education, partnerships, licensing and approvals, audit, enforcement and economic mechanisms.

The EPA performs the following functions:

- regulates air, water and noise pollution, waste, forestry, coal seam gas mining, contaminated sites, radiation, dangerous goods, hazardous material and pesticides
- develops, implements and evaluates policies and strategies to mitigate environmental impacts and minimise the community's exposure to risks from air pollution, noise, pesticides, waste and hazardous materials
- monitors emerging environmental issues and develops appropriate responses to prevent or minimise adverse impacts through early intervention
- administers the Waste and Environment Levy and load-based licensing which drives environmental improvement
- works with industry to implement pollution reduction programs utilising best practice technologies to enhance environmental performance, reduce emissions and improve process efficiency
- investigates breaches of legislation and undertakes strategic compliance and enforcement
- reforms the regulatory framework for environmental protection to strengthen its effectiveness, minimise red tape and optimise compliance costs
- responds to incidents and investigates reports of environmental harm received from the public and industry
- promotes responsible behaviours and educates the community and industry about the benefits of waste minimisation, increasing recycling and reducing littering.

Report pollution and environmental incidents

Contact Environment Line on 131 555 (NSW only) or email info@environment.nsw.gov.au

See also www.epa.nsw.gov.au

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