



2006 Census DataPacks

Adding the Geographic Labels and Cell Descriptors to CSV data files in Excel

This Help document refers to How to open and Add the Geographic Labels and Cell Descriptors to the CSV data files in Excel:

BCP\NSW\LGA is used in this example:

If you are unfamiliar with NSW LGA codes you can easily add the geographic labels to the CSV data file. This section describes how to add the NSW LGA geographic labels from Census2006_geog_desc.xls, to the CSV data file.

Step 1

Place the 2006 Census DataPack CD-Rom disc 1 of 4 into your CD-ROM drive and unzip the data file for *BCP_ASGC_06_R2.zip* stored in the following path:

<Drive>C06_BCP_Data_R2\Basic Community Profile.

It will create the following path when unzipped:

<drive>:\BCP_ASGC_06_R2\LGA\NSW\LGA_NSW_B01.csv.

Step 2

Select the data file for the geographic level. In this case **select the LGA folder.**

Select the state. In this case **select the NSW folder.**

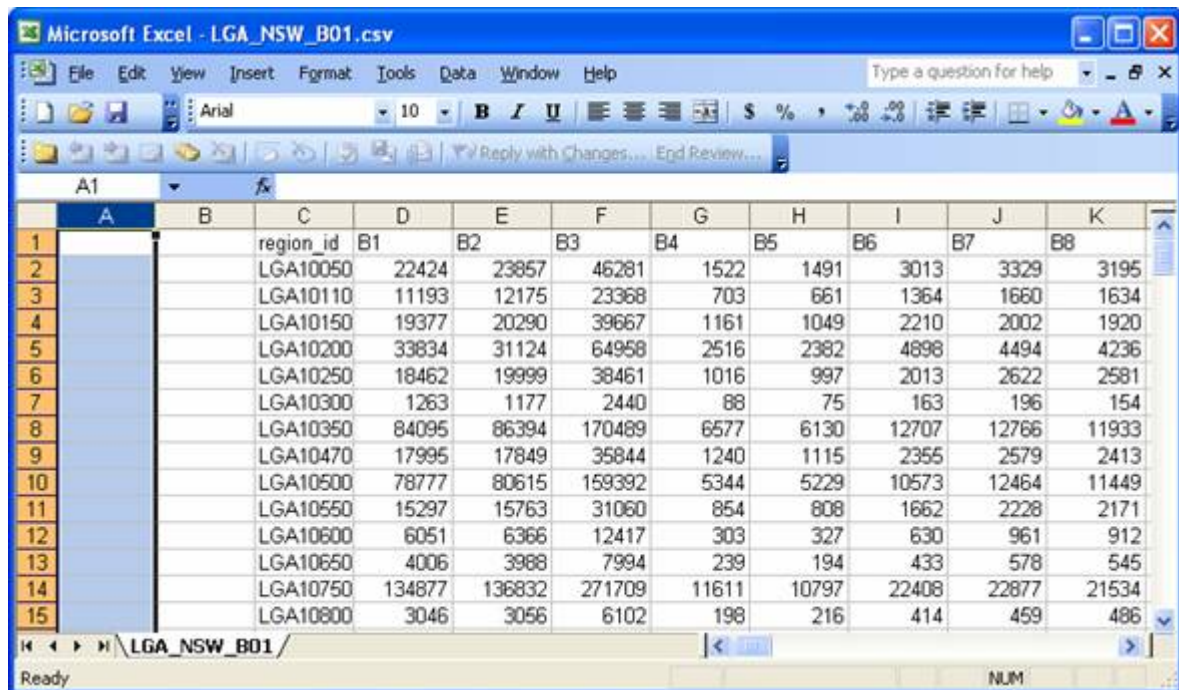
Select the table. In this case, **select the LGA_NSW_B01.csv file.**

Double click on the file. Depending on how your 'File Association' is setup, the CSV file can open directly in Excel.

If you have any difficulty, see Help document: How to open CSV data in Excel

Step 3

Select Column A and select **Insert > Columns**, insert 2 columns in which you will copy the geography description details.



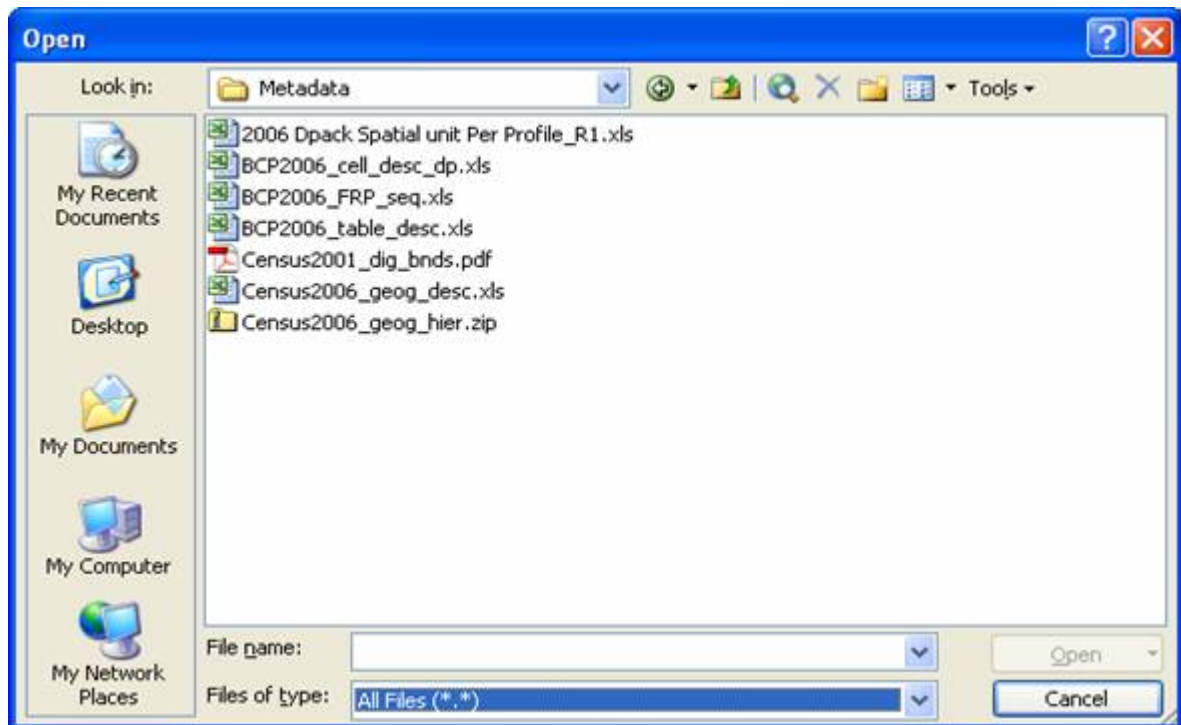
	A	B	C	D	E	F	G	H	I	J	K
1			region_id	B1	B2	B3	B4	B5	B6	B7	B8
2			LGA10050	22424	23857	46281	1522	1491	3013	3329	3195
3			LGA10110	11193	12175	23368	703	661	1364	1660	1634
4			LGA10150	19377	20290	39667	1161	1049	2210	2002	1920
5			LGA10200	33834	31124	64958	2516	2382	4898	4494	4236
6			LGA10250	18462	19999	38461	1016	997	2013	2622	2581
7			LGA10300	1263	1177	2440	88	75	163	196	154
8			LGA10350	84095	86394	170489	6577	6130	12707	12766	11933
9			LGA10470	17995	17849	35844	1240	1115	2355	2579	2413
10			LGA10500	78777	80615	159392	5344	5229	10573	12464	11449
11			LGA10550	15297	15763	31060	854	808	1662	2228	2171
12			LGA10600	6051	6366	12417	303	327	630	961	912
13			LGA10650	4006	3988	7994	239	194	433	578	545
14			LGA10750	134877	136832	271709	11611	10797	22408	22877	21534
15			LGA10800	3046	3056	6102	198	216	414	459	486

Step 4

From EXCEL select **File > Open** - a dialogue box similar to that below is displayed.

Locate and **select the CD-ROM drive** and **select the 'Metadata' folder**.

Select the cell description file, in this case [Census2006_geog_desc.xls](#)



Step 5

Select **Open** - a table is displayed showing each region code their geographic level, label, area in square Km, latitude and longitude.

Microsoft Excel - Census2006_geog_desc.xls [Read-Only]

Type a question for help

File Edit View Insert Format Tools Data Window Help

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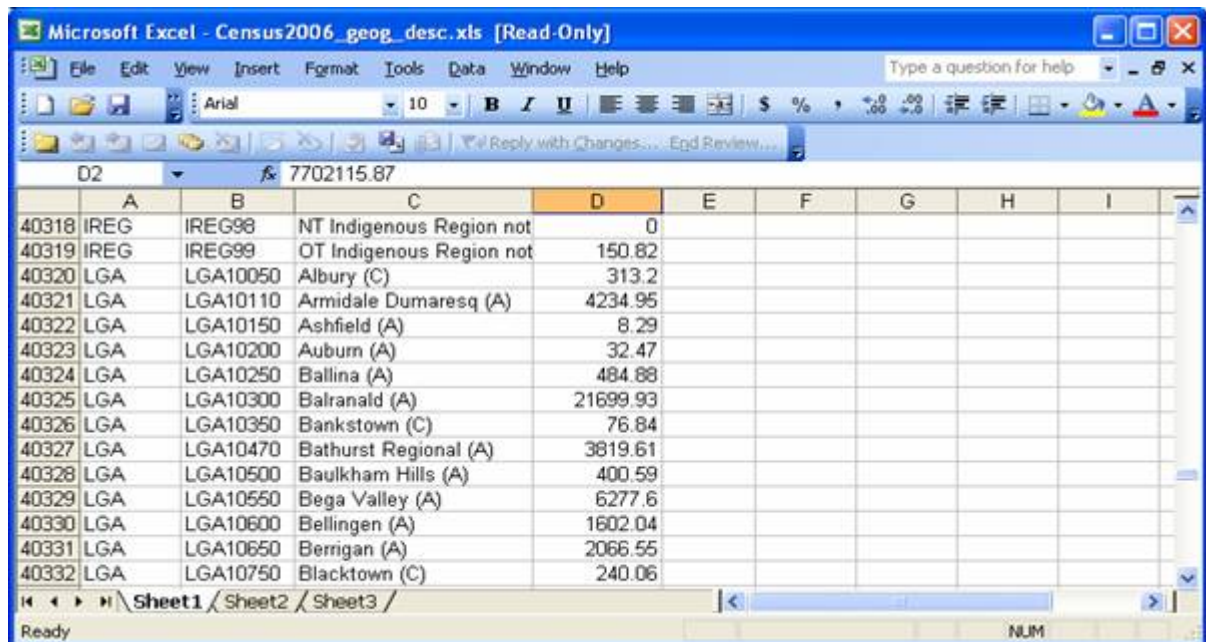
	A	B	C	D	E	F	G	H	I
1	Level	Code	Label	Area sqkm	Latitude	Longitude			
2	AUS		0 Australia	7702115.87					
3	CD	1010101	1010101	2.35	143.555	-34.6348			
4	CD	1010102	1010102	1.48	143.567	-34.6437			
5	CD	1010103	1010103	5779.22	144.115	-33.6843			
6	CD	1010104	1010104	955.4	143.048	-34.5514			
7	CD	1010105	1010105	5336.33	143.509	-33.888			
8	CD	1010106	1010106	6517.42	143.31	-34.2035			
9	CD	1010107	1010107	1622.64	142.892	-34.3539			
10	CD	1010108	1010108	1.44	142.741	-34.5767			
11	CD	1010109	1010109	685.63	143.402	-34.7947			
12	CD	1010110	1010110	797.98	143.735	-34.4321			
13	CD	1010201	1010201	103.15	143.596	-35.2553			
14	CD	1010202	1010202	2571.38	143.85	-34.7112			
15	CD	1010203	1010203	2.77	144.043	-35.0911			

Sheet1 / Sheet2 / Sheet3 /

Ready NUM

Step 6

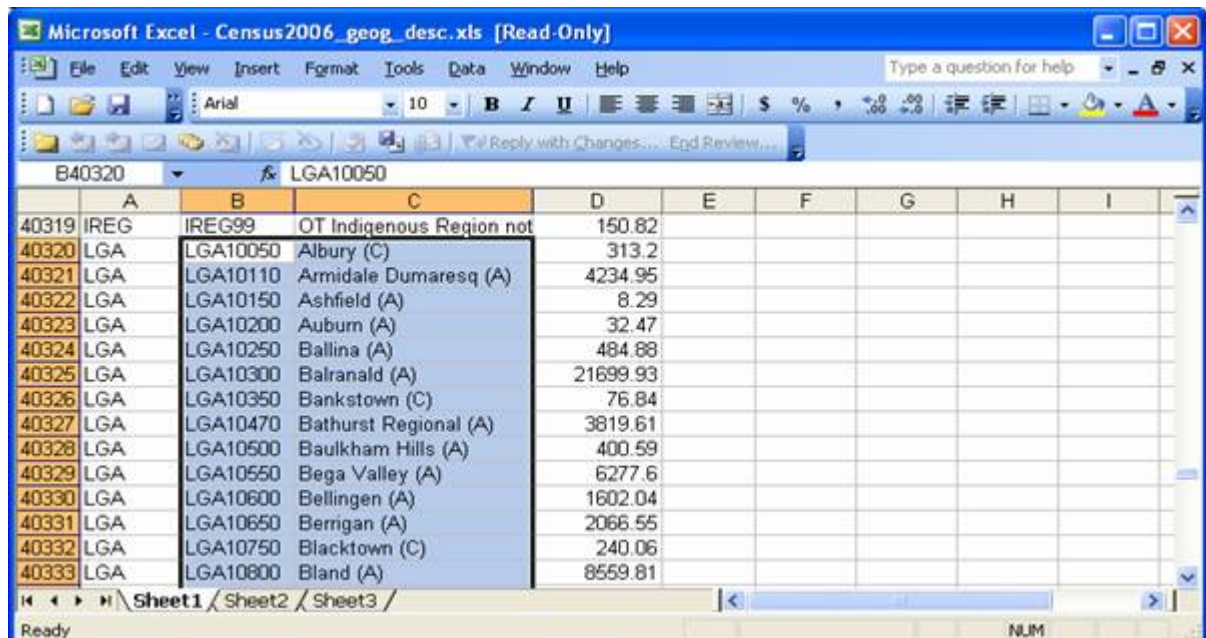
Use **Edit > Find** to locate the NSW LGA codes you require labels for. For example, find 'LGA10050'.



	A	B	C	D	E	F	G	H	I
40318	IREG	IREG98	NT Indigenous Region not	0					
40319	IREG	IREG99	OT Indigenous Region not	150.82					
40320	LGA	LGA10050	Albury (C)	313.2					
40321	LGA	LGA10110	Armidale Dumaresq (A)	4234.95					
40322	LGA	LGA10150	Ashfield (A)	8.29					
40323	LGA	LGA10200	Auburn (A)	32.47					
40324	LGA	LGA10250	Ballina (A)	484.88					
40325	LGA	LGA10300	Balranald (A)	21699.93					
40326	LGA	LGA10350	Bankstown (C)	76.84					
40327	LGA	LGA10470	Bathurst Regional (A)	3819.61					
40328	LGA	LGA10500	Baulkham Hills (A)	400.59					
40329	LGA	LGA10550	Bega Valley (A)	6277.6					
40330	LGA	LGA10600	Bellingen (A)	1602.04					
40331	LGA	LGA10650	Berrigan (A)	2066.55					
40332	LGA	LGA10750	Blacktown (C)	240.06					

Step 7

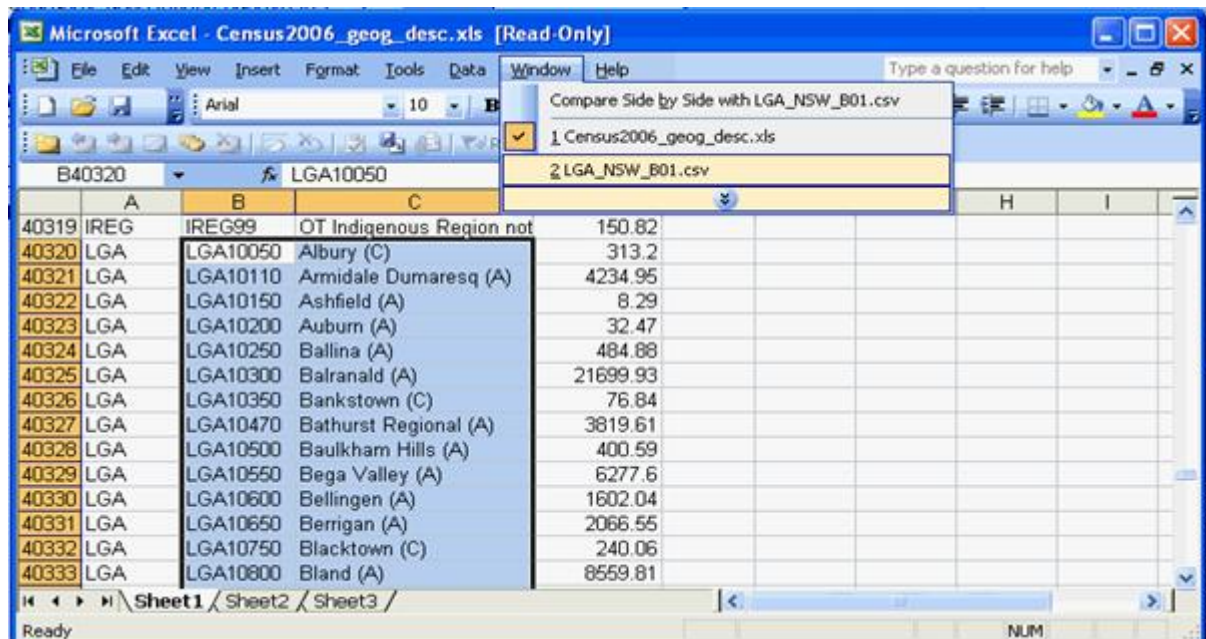
Using the **Edit > Copy** function, copy the necessary details from Column B and C.



	A	B	C	D	E	F	G	H	I
40319	IREG	IREG99	OT Indigenous Region not	150.82					
40320	LGA	LGA10050	Albury (C)	313.2					
40321	LGA	LGA10110	Armidale Dumaresq (A)	4234.95					
40322	LGA	LGA10150	Ashfield (A)	8.29					
40323	LGA	LGA10200	Auburn (A)	32.47					
40324	LGA	LGA10250	Ballina (A)	484.88					
40325	LGA	LGA10300	Balranald (A)	21699.93					
40326	LGA	LGA10350	Bankstown (C)	76.84					
40327	LGA	LGA10470	Bathurst Regional (A)	3819.61					
40328	LGA	LGA10500	Baulkham Hills (A)	400.59					
40329	LGA	LGA10550	Bega Valley (A)	6277.6					
40330	LGA	LGA10600	Bellingen (A)	1602.04					
40331	LGA	LGA10650	Berrigan (A)	2066.55					
40332	LGA	LGA10750	Blacktown (C)	240.06					
40333	LGA	LGA10800	Bland (A)	8559.81					

Step 8

Select **Window > LGA_NSW_B01.csv** to reopen the BCP data file.

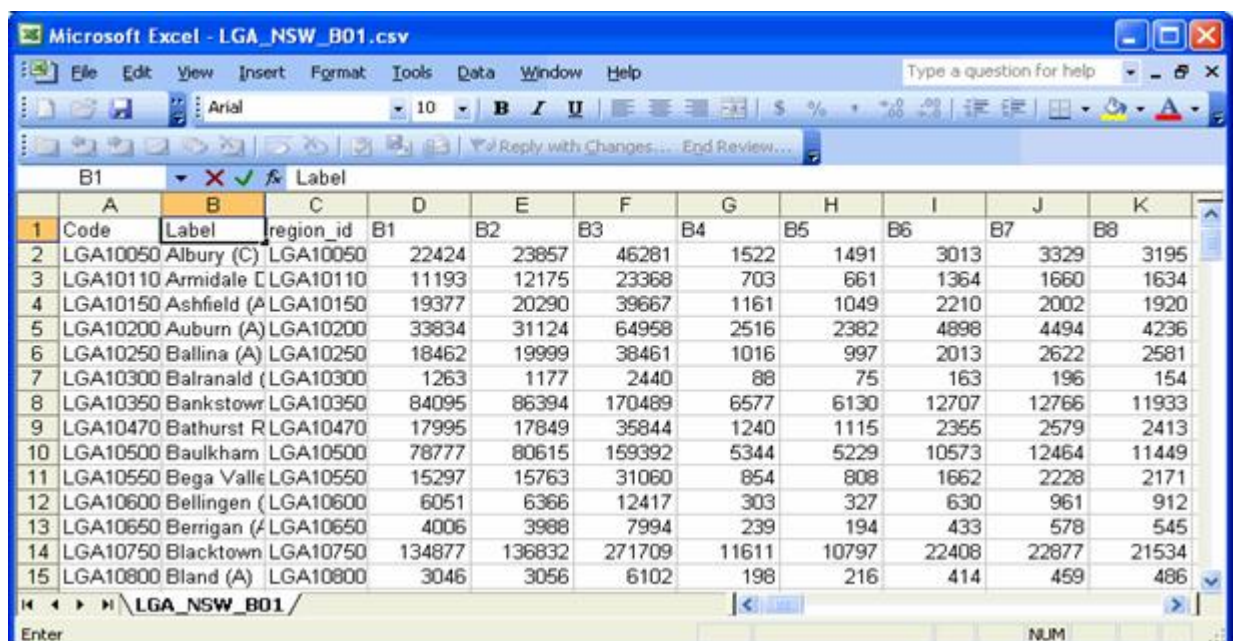


Step 9

Select Cell A2 and select **Edit > Paste** - the region code and name details are copied into the data file.

Step 10

Type in the region code ID ('Code') and 'Label' Headers into cell A1 and B1 of the data file.

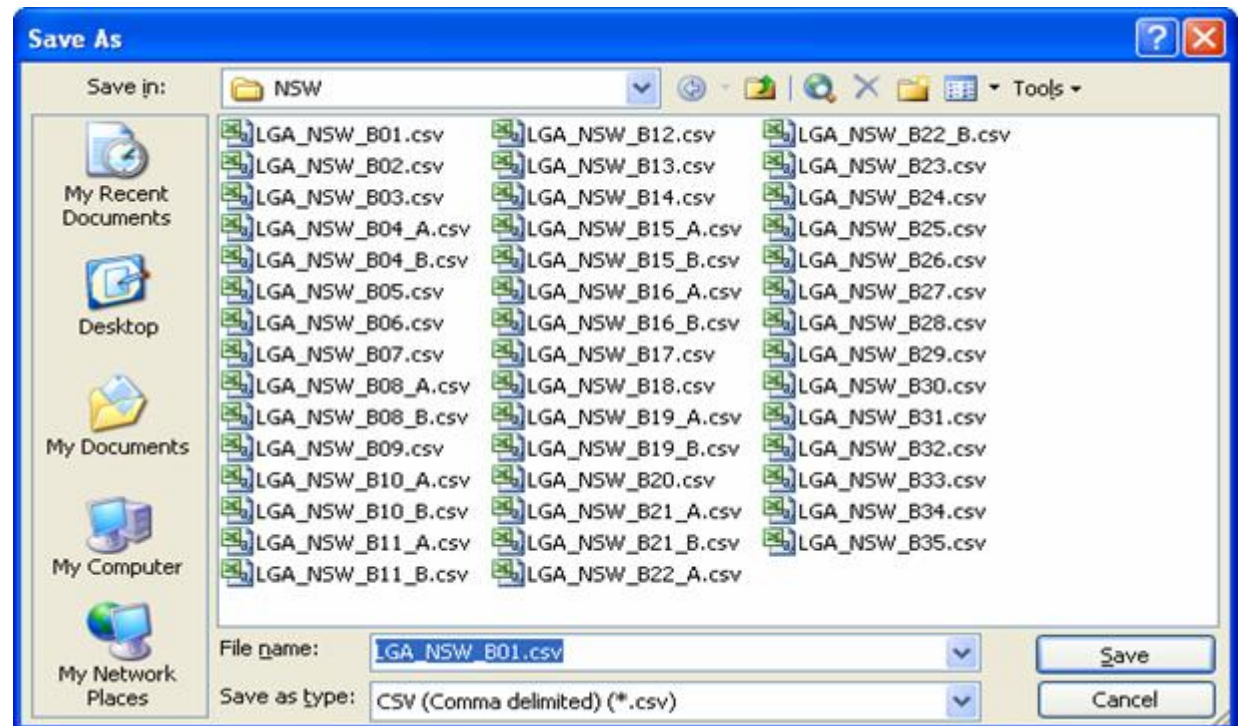


Step 11 Save Options:

Option 1

If you wish to save the CSV data file and overwrite the existing one to retain the labels in the [LGA_NSW_B01.csv](#) file, select **File > Save**.

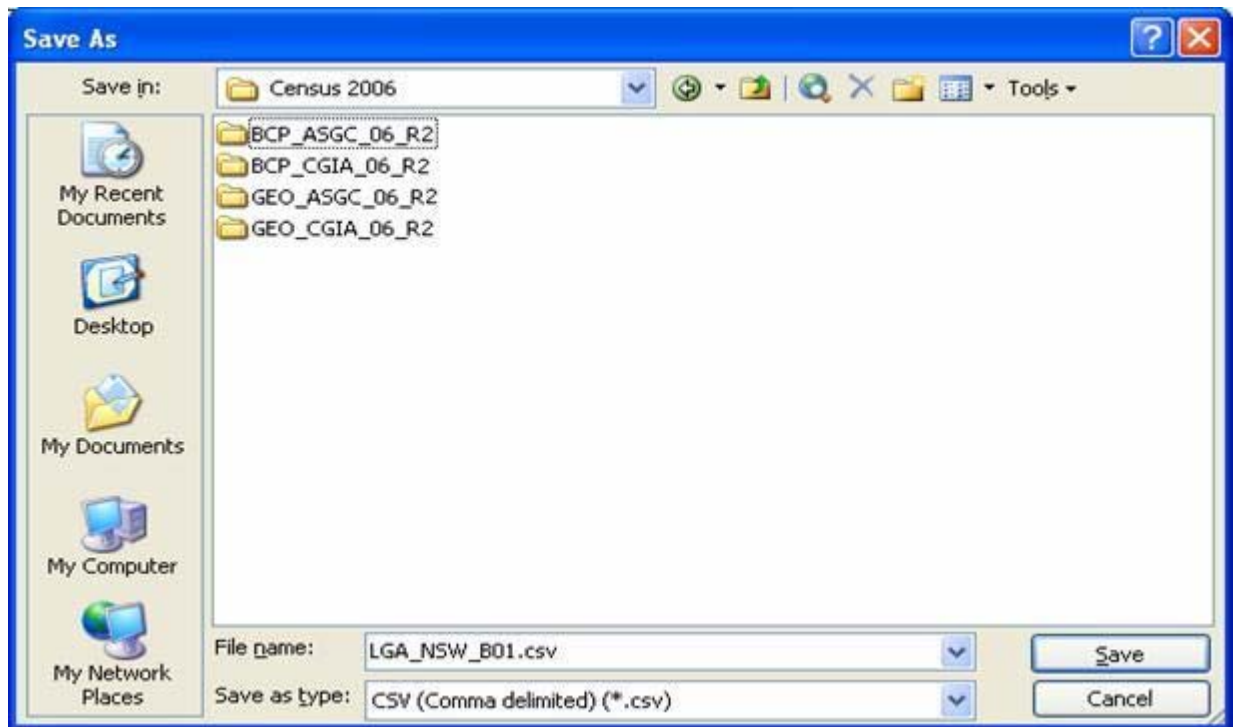
This will overwrite the original file to the location where the file has been unzipped.



Option 2

If you wish to save the CSV data file in another directory to separate it from the original CSV data file, select **File > Save As** and save it to a folder of your choice.

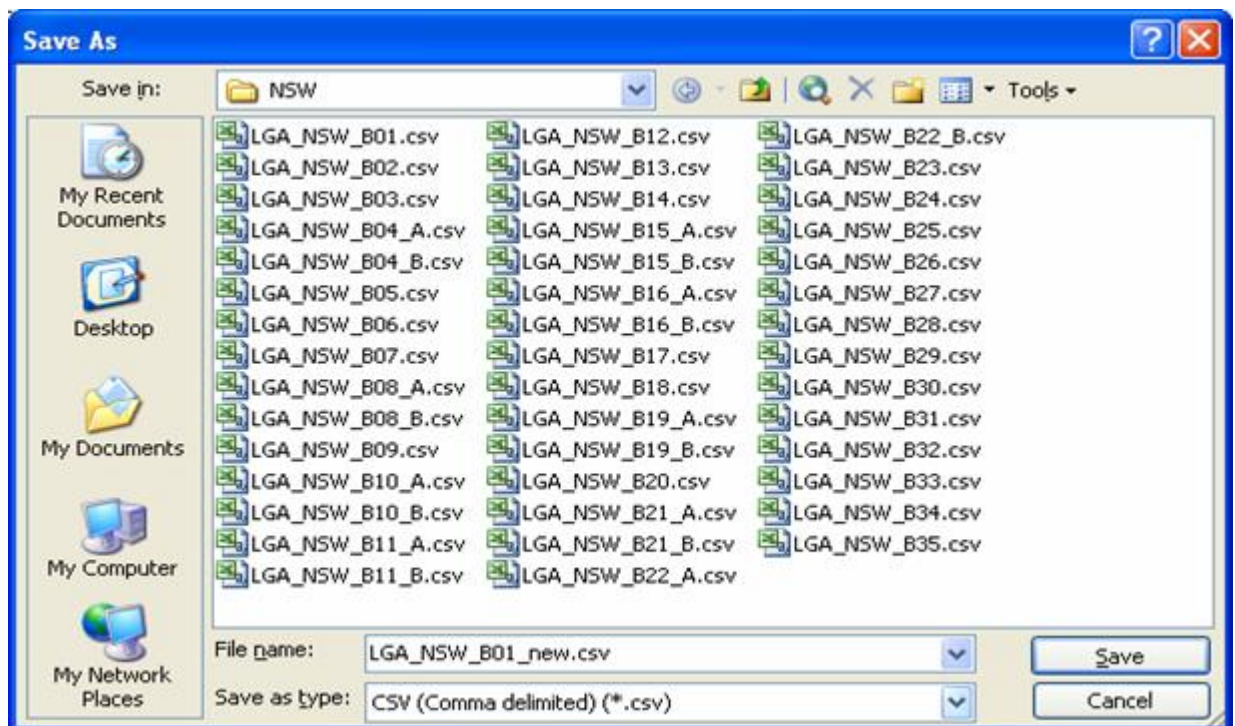
This gives you the option of having an original CSV data file in one folder and another that has labels contained within the CSV data file.



Option 3

Alternatively you can change the name of the CSV data file and save it to the same folder location where you unzipped/saved the original CSV data files.

i.e.; New filename: ***LGA_NSW_B01_new.csv***



Adding the cell descriptions (labels) to CSV data files in Excel

You can add the data cell description, that is 'Total persons, Male', 'Total persons, Female' to your file in order to help locate the data item you are interested in. This section describes how to add the labels from [BCP2006_cell_desc_dp.xls](#), to the data file.

Please note: To understand the Basic Community Profile data better it is recommended that you first open up the [BCP2006_SRP_seq.xls](#) file in Excel - it displays formatted table templates and the corresponding cell references. It also contains explanatory notes and indexes. See **Example of how to find data** chapter, below.

Step 1

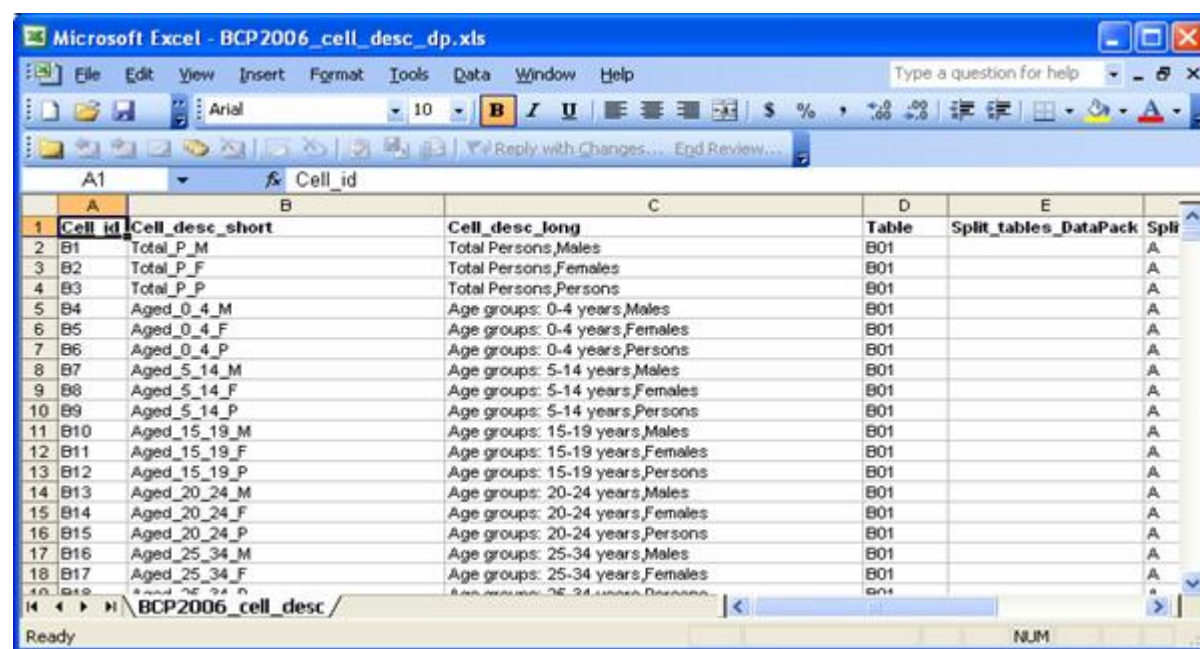
From EXCEL select **File > Open** - a dialogue box similar to that below is displayed.

Locate and **select the CD-ROM drive** and **select the <Drive>C06_BCP_Data_R2\Metadata folder**.

Select the cell description file, in this case [BCP2006_cell_desc_dp.xls](#)

Step 2

Select **Open** - a table is displayed with the short description, full description of each BCP table cell. It also shows which table the cells are from and if the table is split into file parts, A, B and C and the difference between DataPack CSV files and Profile Template table splits.



Cell_id	Cell_desc_short	Cell_desc_long	Table	Split_tables_DataPack	Split
B1	Total_P_M	Total Persons,Males	B01		A
B2	Total_P_F	Total Persons,Females	B01		A
B3	Total_P_P	Total Persons,Persons	B01		A
B4	Aged_0_4_M	Age groups: 0-4 years,Males	B01		A
B5	Aged_0_4_F	Age groups: 0-4 years,Females	B01		A
B6	Aged_0_4_P	Age groups: 0-4 years,Persons	B01		A
B7	Aged_5_14_M	Age groups: 5-14 years,Males	B01		A
B8	Aged_5_14_F	Age groups: 5-14 years,Females	B01		A
B9	Aged_5_14_P	Age groups: 5-14 years,Persons	B01		A
B10	Aged_15_19_M	Age groups: 15-19 years,Males	B01		A
B11	Aged_15_19_F	Age groups: 15-19 years,Females	B01		A
B12	Aged_15_19_P	Age groups: 15-19 years,Persons	B01		A
B13	Aged_20_24_M	Age groups: 20-24 years,Males	B01		A
B14	Aged_20_24_F	Age groups: 20-24 years,Females	B01		A
B15	Aged_20_24_P	Age groups: 20-24 years,Persons	B01		A
B16	Aged_25_34_M	Age groups: 25-34 years,Males	B01		A
B17	Aged_25_34_F	Age groups: 25-34 years,Females	B01		A
B18	Aged_25_34_P	Age groups: 25-34 years,Persons	B01		A

Step 3

Select the **data cell labels** from either column B or column C that you wish to copy into the file opened in Step 1, as shown above. In this case, select the labels from cells where the 'Table' field contains B01, that is, C2 to C108.

Note: If you are to use the cell descriptors to be used in MapInfo, you will have to use the column B, as MapInfo has a 29 character column restriction.

C2:

	A	B	C	D	E	F
	Cell_id	Cell_desc_short	Cell_desc_long	Table	Split_tables_DataPack	Split
2	B1	Total_P_M	Total Persons,Males	B01		A
3	B2	Total_P_F	Total Persons,Females	B01		A
4	B3	Total_P_P	Total Persons,Persons	B01		A
5	B4	Aged_0_4_M	Age groups: 0-4 years,Males	B01		A
6	B5	Aged_0_4_F	Age groups: 0-4 years,Females	B01		A
7	B6	Aged_0_4_P	Age groups: 0-4 years,Persons	B01		A
8	B7	Aged_5_14_M	Age groups: 5-14 years,Males	B01		A
9	B8	Aged_5_14_F	Age groups: 5-14 years,Females	B01		A
10	B9	Aged_5_14_P	Age groups: 5-14 years,Persons	B01		A
11	B10	Aged_15_19_M	Age groups: 15-19 years,Males	B01		A
12	B11	Aged_15_19_F	Age groups: 15-19 years,Females	B01		A
13	B12	Aged_15_19_P	Age groups: 15-19 years,Persons	B01		A
14	B13	Aged_20_24_M	Age groups: 20-24 years,Males	B01		A
15	B14	Aged_20_24_F	Age groups: 20-24 years,Females	B01		A
16	B15	Aged_20_24_P	Age groups: 20-24 years,Persons	B01		A
17	B16	Aged_25_34_M	Age groups: 25-34 years,Males	B01		A
18	B17	Aged_25_34_F	Age groups: 25-34 years,Females	B01		A

-C108

	A	B	C	D	E	F
	Cell_id	Cell_desc_short	Cell_desc_long	Table	Split_tables_DataPack	Split
95	B94	Highest_Yr_Completed_9_M	Highest year of school completed: Year 9 or equivalent,Males	B01		B
96	B95	Highest_Yr_Completed_9_F	Highest year of school completed: Year 9 or equivalent,Females	B01		B
97	B96	Highest_Yr_Completed_9_P	Highest year of school completed: Year 9 or equivalent,Persons	B01		B
98	B97	Highest_Yr_Compl_8_or_below_M	Highest year of school completed: Year 8 or below,Males	B01		B
99	B98	Highest_Yr_Compl_8_or_below_F	Highest year of school completed: Year 8 or below,Females	B01		B
100	B99	Highest_Yr_Compl_8_or_below_P	Highest year of school completed: Year 8 or below,Persons	B01		B
101	B100	Did_Not_Go_To_School_M	Did not go to school,Males	B01		B
102	B101	Did_Not_Go_To_School_F	Did not go to school,Females	B01		B
103	B102	Did_Not_Go_To_School_P	Did not go to school,Persons	B01		B
104	B103	Count_In_Private_Dwell_M	Count of persons in occupied private dwellings,Males	B01		B
105	B104	Count_In_Private_Dwell_F	Count of persons in occupied private dwellings,Females	B01		B
106	B105	Count_In_Private_Dwell_P	Count of persons in occupied private dwellings,Persons	B01		B
107	B106	Count_Other_Dwell_M	Count of persons in other dwellings,Males	B01		B
108	B107	Count_Other_Dwell_F	Count of persons in other dwellings,Females	B01		B
109	B108	Count_Other_Dwell_P	Count of persons in other dwellings,Persons	B01		B
110	B109	Median_Age_P	Median age of persons	B02		
111	B110	Median_Ind_Income_\$_per_week	Median individual income (\$/week)	B02		
112	B111	Median_Fam_Income_\$_per_week	Median family income (\$/week)	B02		

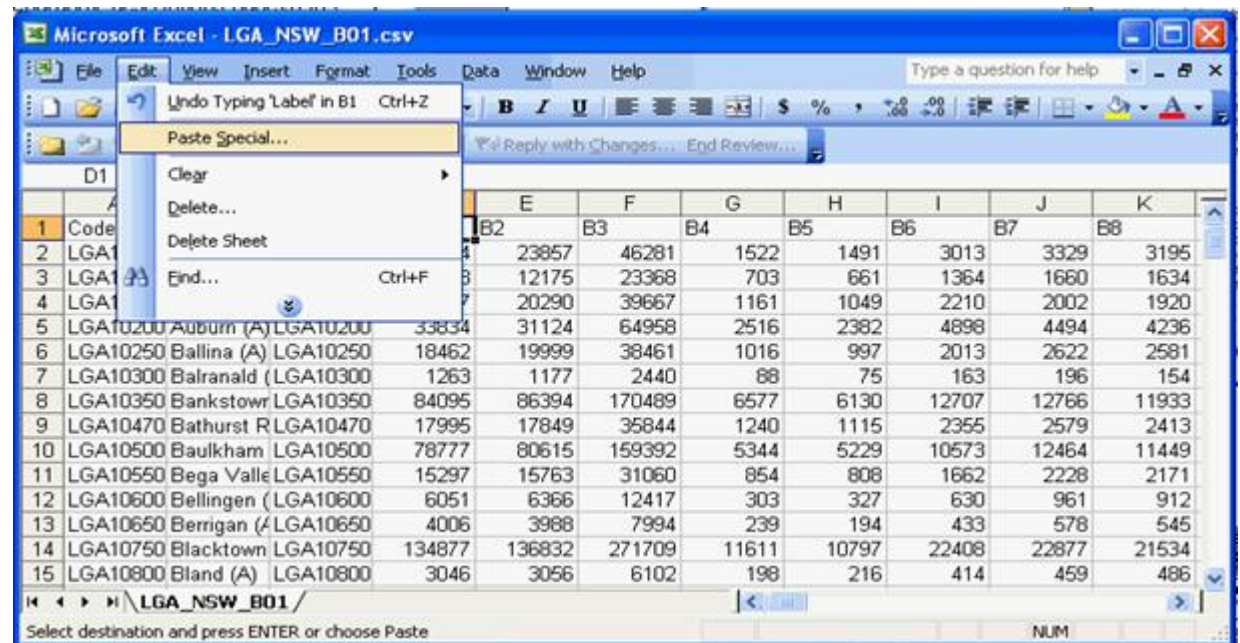
Select **Edit > Copy**.

Step 4

Select **Window > LGA_NSW_B01.csv** to make the BCP data file the active window.

Step 5

Select cell **D1** and select **Edit > Paste Special**



Step 6

The following dialogue box is displayed.

In the 'Paste' area select **All**.

In the 'Operation' area select **None**.

Place a **tick** in the box **Transpose**.



Select **OK** - the data item description details are copied to the CSV data file in row 1 across all 108 columns.

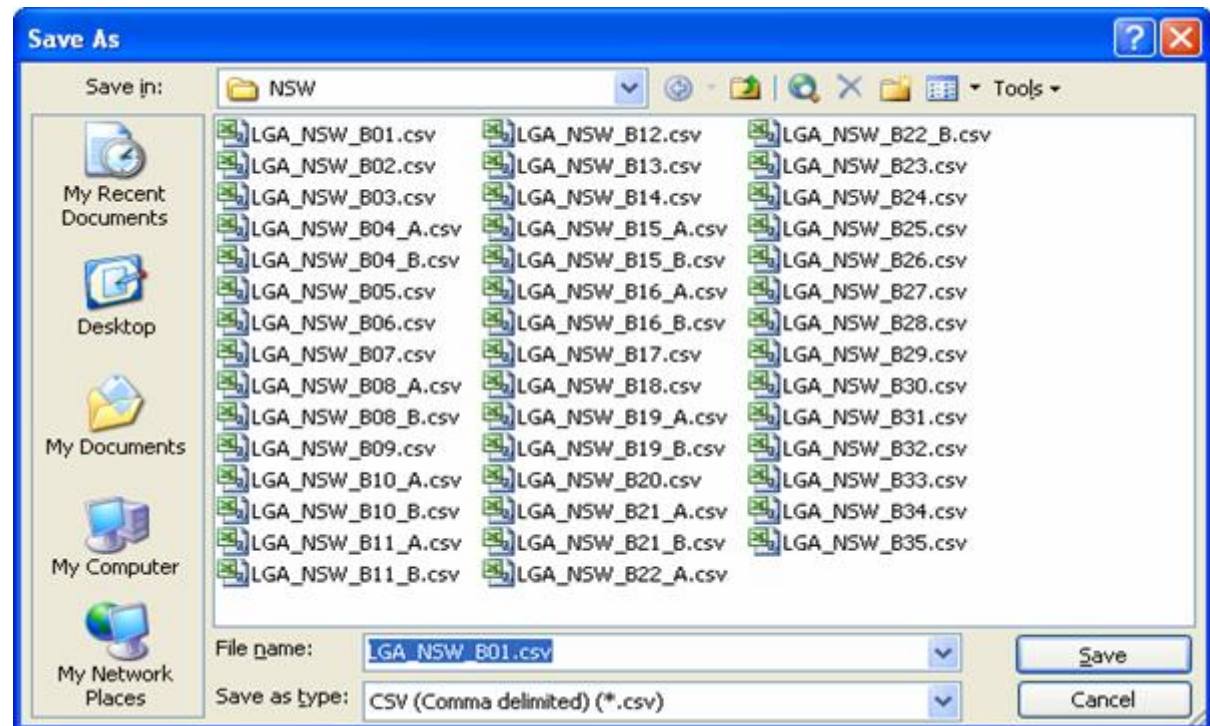
	A	B	C	D	E	F	G	H	I	J	K
1	Code	Label	region_id	Total P	MTotal P	FTotal P	P Aged 0 4	Aged 0 4	Aged 0 4	Aged 5 14	Aged 5 14
2	LGA10050	Albury (C)	LGA10050	22424	23857	46281	1522	1491	3013	3329	3195
3	LGA10110	Armidale (LGA10110		11193	12175	23368	703	661	1364	1660	1634
4	LGA10150	Ashfield (A	LGA10150	19377	20290	39667	1161	1049	2210	2002	1920
5	LGA10200	Auburn (A)	LGA10200	33834	31124	64958	2516	2382	4898	4494	4236
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13	LGA10650	Berrigan (LGA10650		4006	3988	7994	239	194	433	578	545
14	LGA10750	Blacktown	LGA10750	134877	136832	271709	11611	10797	22408	22877	21534
15	LGA10800	Bland (A)	LGA10800	3046	3056	6102	198	216	414	459	486

Step 7 Save Options:

Option 1

If you wish to save the CSV data file and overwrite the existing one to retain the labels in the [LGA_NSW_B01.csv](#) file, select **File > Save**.

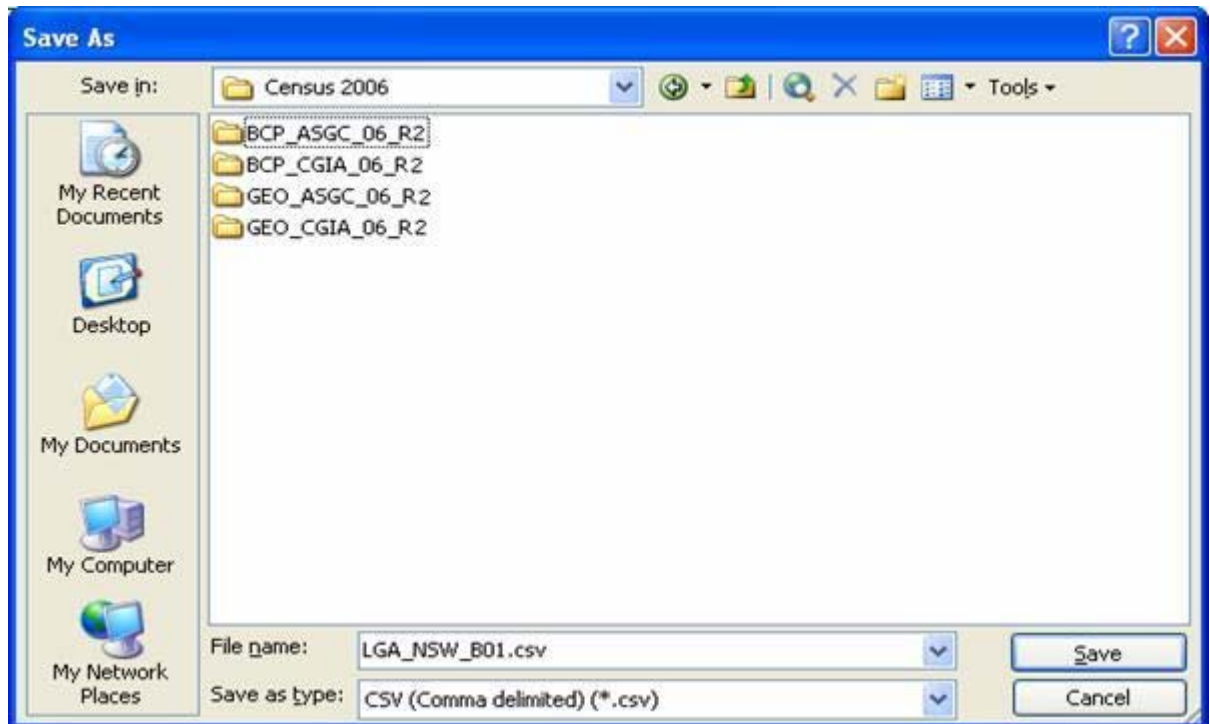
This will overwrite the original file to the location where the file has been unzipped.



Option 2

If you wish to save the CSV data file in another directory to separate it from the original CSV data file, select **File > Save As** and save it to a folder of your choice.

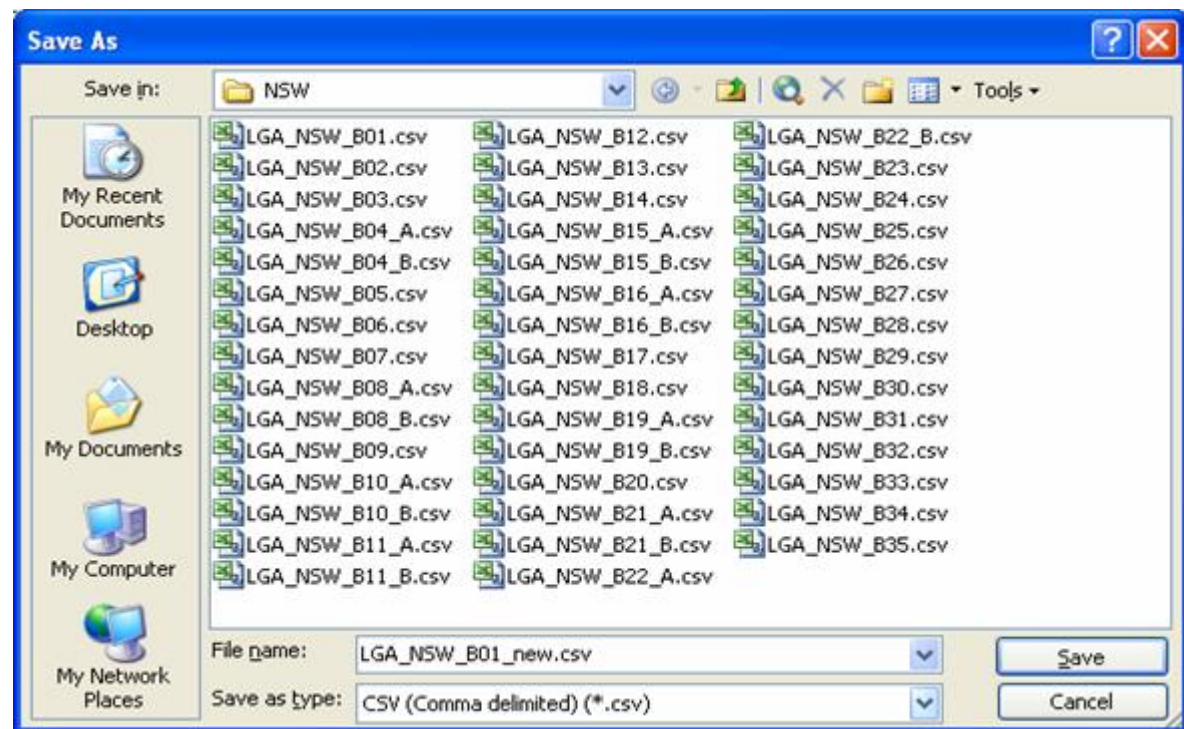
This gives you the option of having an original CSV data file in one folder and another that has labels contained within the CSV data file.



Option 3

Alternatively you can change the name of the CSV data file and save it to the same folder location where you unzipped/saved the original CSV data files.

i.e.; New filename: **LGA_NSW_B01_new.csv**



With both the geographic and data cell descriptors added to the original CSV data file, can now be opened directly in MapInfo as structured files and can be joined to an imported digital boundary file to create a thematic map. See Help document: **How to Import the data and digital boundary files in MapInfo & create a thematic map.**

Example of how to find data

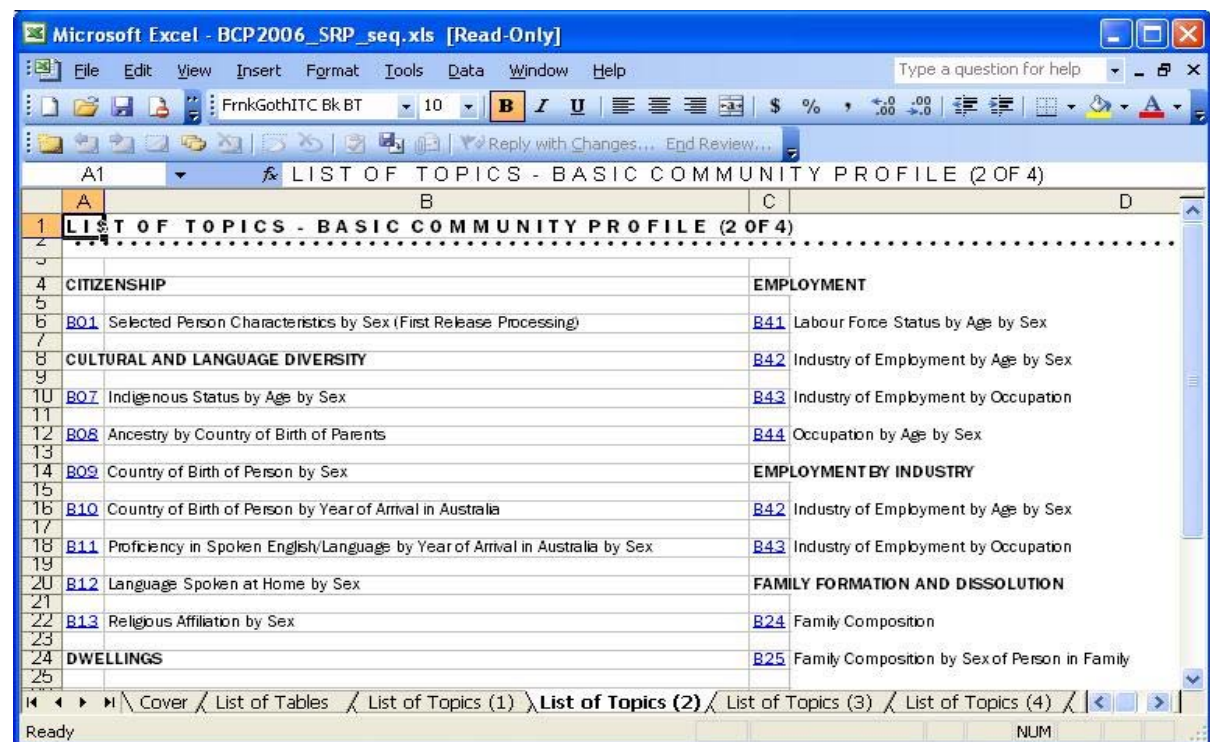
This example will show you how to locate the number of Persons by their original country of birth by what year they arrived in Australia for the Local Government Areas (LGA) of NSW. To further the example, we have chosen those persons born in Vietnam who arrived in Australia in 2001.

All the BCP data files for NSW LGA's are held in [<drive>:\BCP_ASGC_06_R2\LGA NSW](#)

The BCP template ([BCP2006_SRP_seq.xls](#)) can establish which table contains the count (cell) of interest.


Step 1

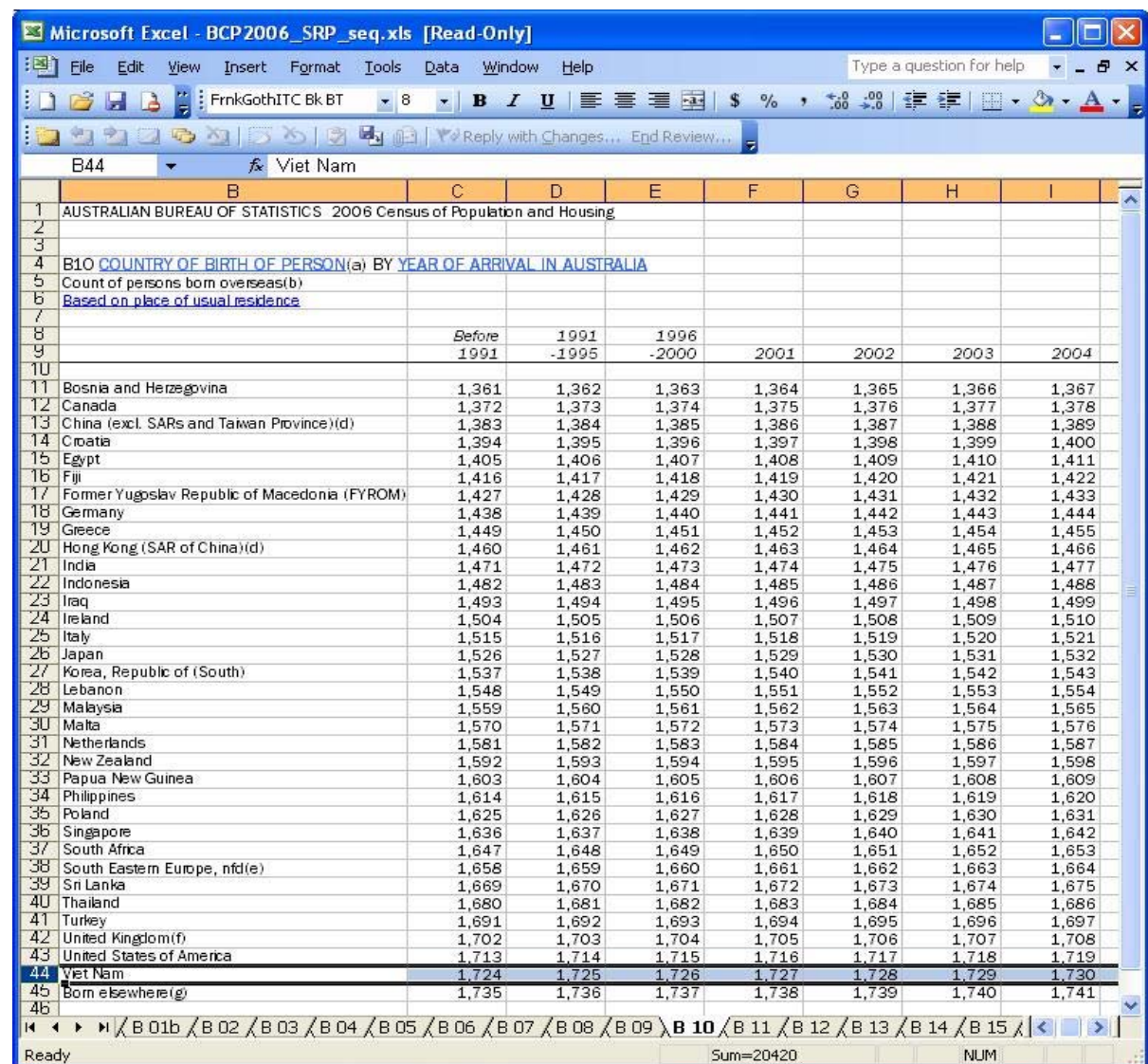
Open the Basic Community Profile template file from the [<Drive>C06_BCP_Data_R2\Metadata](#) folder on the CD-Rom. Once the template is opened, either the 'List of Tables' tab or in this case the 'List of Topics 2' tab can be used to view tables relating to the Cultural and Language Diversity topic. The following information is displayed:



A	B	C	D
LIST OF TOPICS - BASIC COMMUNITY PROFILE (2 OF 4)			
.....			
CITIZENSHIP		EMPLOYMENT	
B01	Selected Person Characteristics by Sex (First Release Processing)	B41	Labour Force Status by Age by Sex
CULTURAL AND LANGUAGE DIVERSITY		B42	Industry of Employment by Age by Sex
B07	Indigenous Status by Age by Sex	B43	Industry of Employment by Occupation
B08	Ancestry by Country of Birth of Parents	B44	Occupation by Age by Sex
B09	Country of Birth of Person by Sex	EMPLOYMENT BY INDUSTRY	
B10	Country of Birth of Person by Year of Arrival in Australia	B42	Industry of Employment by Age by Sex
B11	Proficiency in Spoken English/Language by Year of Arrival in Australia by Sex	B43	Industry of Employment by Occupation
B12	Language Spoken at Home by Sex	FAMILY FORMATION AND DISSOLUTION	
B13	Religious Affiliation by Sex	B24	Family Composition
DWELLINGS		B25	Family Composition by Sex of Person in Family

Step 2

Table B10 appears to contain the desired data. The right tab scroll button  can be used to move across and select the B10 table tab. The following is displayed:

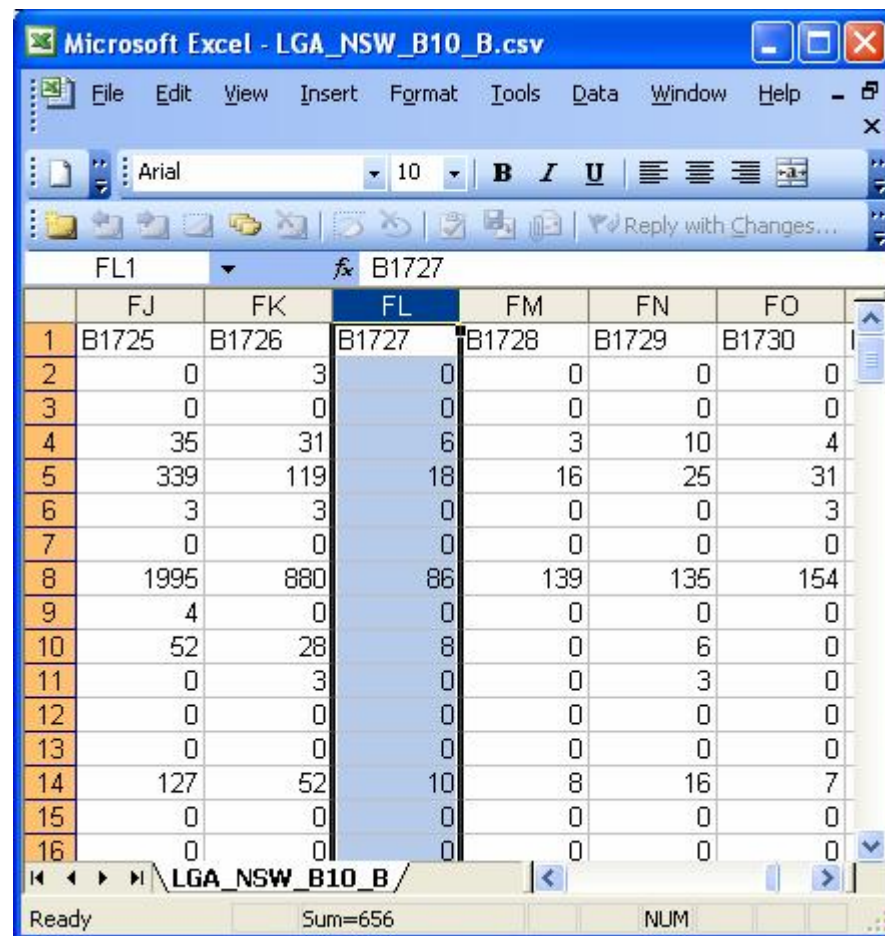


	Before 1991	1991 -1995	1996 -2000	2001	2002	2003	2004
Bosnia and Herzegovina	1,361	1,362	1,363	1,364	1,365	1,366	1,367
Canada	1,372	1,373	1,374	1,375	1,376	1,377	1,378
China (excl. SARs and Taiwan Province)(d)	1,383	1,384	1,385	1,386	1,387	1,388	1,389
Croatia	1,394	1,395	1,396	1,397	1,398	1,399	1,400
Egypt	1,405	1,406	1,407	1,408	1,409	1,410	1,411
Fiji	1,416	1,417	1,418	1,419	1,420	1,421	1,422
Former Yugoslav Republic of Macedonia (FYROM)	1,427	1,428	1,429	1,430	1,431	1,432	1,433
Germany	1,438	1,439	1,440	1,441	1,442	1,443	1,444
Greece	1,449	1,450	1,451	1,452	1,453	1,454	1,455
Hong Kong (SAR of China)(d)	1,460	1,461	1,462	1,463	1,464	1,465	1,466
India	1,471	1,472	1,473	1,474	1,475	1,476	1,477
Indonesia	1,482	1,483	1,484	1,485	1,486	1,487	1,488
Iraq	1,493	1,494	1,495	1,496	1,497	1,498	1,499
Ireland	1,504	1,505	1,506	1,507	1,508	1,509	1,510
Italy	1,515	1,516	1,517	1,518	1,519	1,520	1,521
Japan	1,526	1,527	1,528	1,529	1,530	1,531	1,532
Korea, Republic of (South)	1,537	1,538	1,539	1,540	1,541	1,542	1,543
Lebanon	1,548	1,549	1,550	1,551	1,552	1,553	1,554
Malaysia	1,559	1,560	1,561	1,562	1,563	1,564	1,565
Malta	1,570	1,571	1,572	1,573	1,574	1,575	1,576
Netherlands	1,581	1,582	1,583	1,584	1,585	1,586	1,587
New Zealand	1,592	1,593	1,594	1,595	1,596	1,597	1,598
Papua New Guinea	1,603	1,604	1,605	1,606	1,607	1,608	1,609
Philippines	1,614	1,615	1,616	1,617	1,618	1,619	1,620
Poland	1,625	1,626	1,627	1,628	1,629	1,630	1,631
Singapore	1,636	1,637	1,638	1,639	1,640	1,641	1,642
South Africa	1,647	1,648	1,649	1,650	1,651	1,652	1,653
South Eastern Europe, nfd(e)	1,658	1,659	1,660	1,661	1,662	1,663	1,664
Sri Lanka	1,669	1,670	1,671	1,672	1,673	1,674	1,675
Thailand	1,680	1,681	1,682	1,683	1,684	1,685	1,686
Turkey	1,691	1,692	1,693	1,694	1,695	1,696	1,697
United Kingdom(f)	1,702	1,703	1,704	1,705	1,706	1,707	1,708
United States of America	1,713	1,714	1,715	1,716	1,717	1,718	1,719
Viet Nam	1,724	1,725	1,726	1,727	1,728	1,729	1,730
Born elsewhere(g)	1,735	1,736	1,737	1,738	1,739	1,740	1,741

The cell number 1,727 contains the count of interest, being the number of persons born in Vietnam and arrived in Australia in 2001. As table B10 contains 395 cells i.e., more than 200 cells, the table had to be split into two. Part A contains cells B1,361-1,560, and part B contains cells B1,561-1,756. This information can be obtained from the [BCP2006_cell_desc_dp.xls](#) file. Therefore the BCP data file to open is:
`<drive>\BCP_ASGC_06_R2\LGAWSW\GA_NSW_B10_B.csv.`

Step 3

The cell of interest is the 166th cell (1,727-1561) in the file, column FL (cell B1727) which is displayed below:



The screenshot shows a Microsoft Excel window titled "Microsoft Excel - LGA_NSW_B10_B.csv". The spreadsheet has columns labeled FJ, FK, FL, FM, FN, and FO. The FL column is highlighted in blue. The data in the FL column is as follows:

	FJ	FK	FL	FM	FN	FO
1	B1725	B1726	B1727	B1728	B1729	B1730
2	0	3	0	0	0	0
3	0	0	0	0	0	0
4	35	31	6	3	10	4
5	339	119	18	16	25	31
6	3	3	0	0	0	3
7	0	0	0	0	0	0
8	1995	880	86	139	135	154
9	4	0	0	0	0	0
10	52	28	8	0	6	0
11	0	3	0	0	3	0
12	0	0	0	0	0	0
13	0	0	0	0	0	0
14	127	52	10	8	16	7
15	0	0	0	0	0	0
16	0	0	0	0	0	0

The status bar at the bottom shows "Ready", "Sum=656", and "NUM".

Column A contains the relevant LGA codes and column FL the data. For this example, the LGA of 10050 (Albury) reflected there were no persons who were born in Vietnam and arrived in Australia in 2001 whilst in the LGA of 10350 (Bankstown) there were 86 persons who were born in Vietnam and arrived in Australia in 2001.