



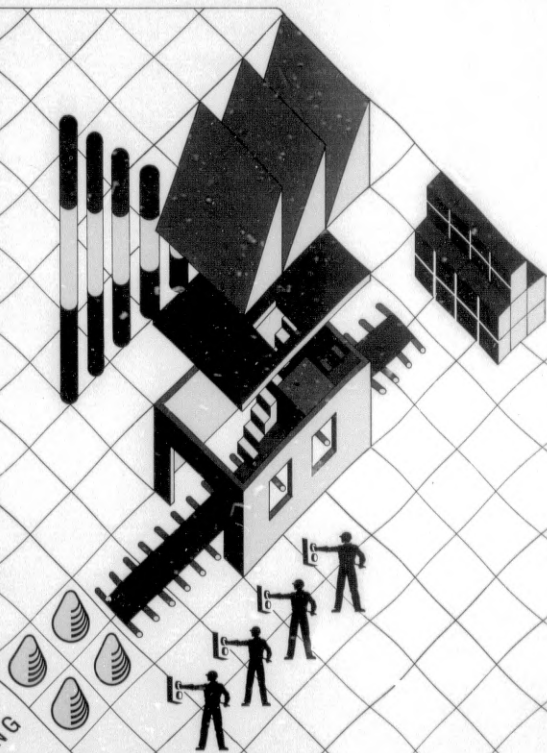
MANUFACTURING

MANUFACTURING
IN NEW SOUTH WALES

1987 - 88

CATALOGUE

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MANUFACTURING IN NEW SOUTH WALES
1987-88

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AUSTRALIAN BUREAU OF STATISTICS
SYDNEY

Catalogue No. 8207.1

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INQUIRIES: If you would like to obtain further information about these statistics, please ring Graham Russell on (02) 268 4342; contact ABS Information Services on (02) 268 4611, at level 3, St Andrew's House, Sydney Square, Sydney; or write to Information Services, Australian Bureau of Statistics, Box 796 GPO, Sydney 2001.

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INTRODUCTION

Manufacturing in New South Wales has been designed to better fulfil the stated needs of users by supplementing the detailed information collected through the annual Manufacturing Census with various other ABS data that relates directly to manufacturing activity in this State.

It compares the manufacturing sector in New South Wales over time, with the rest of Australia and with other sectors of the economy. It features expanded industry details together with size and regional statistics. This publication integrates other ABS manufacturing industry data on trade, aspects of the labour force (industrial disputes, job vacancies, employment injuries, overtime and unemployment) and costs associated with manufacturing activity.

Manufacturing in New South Wales and the publication *Manufacturing Census: Summary Statistics, New South Wales* (Catalogue No. 8206.1) are the main New South Wales Office publications presenting annual Manufacturing Census results for this State. These publications were first released for 1986-87 and replaced the following New South Wales Office publications last released for the 1984-85 Census, *Census of Manufacturing Establishments: Summary of Operations by Industry Class, New South Wales* (Catalogue No. 8201.1), *Census of Manufacturing Establishments: Small Area Statistics by Industry, New South Wales* (Catalogue No. 8203.1), and *Census of Manufacturing Establishments: Selected Items of Data Classified by Industry and Employment Size, New South Wales* (Catalogue No. 8204.1). A Manufacturing Census was not conducted in 1985-86.

JOHN WILSON
Deputy Commonwealth Statistician

December 1989

UNPUBLISHED MANUFACTURING CENSUS DATA

The ABS can also make available 1987-88 Manufacturing Census data which are not published. A charge may be made for providing this information.

For further details please telephone Graham Russell on (02) 268 4342.

SECTION 1. NEW SOUTH WALES MANUFACTURING IN PERSPECTIVE

The tables in this Section place the New South Wales manufacturing sector in perspective. This is done by analysing its importance compared with other States and the Australian total, and in comparisons with other sectors of the New South Wales economy. Several statistical series are used, Gross Domestic Product at factor cost from the Australian National Accounts, employment data from the ABS's Labour Force Survey, and summary tables from the annual ABS Manufacturing Census.

Overall, the picture these statistical series depict is that about a third of Australian manufacturing activity takes place in New South Wales. This proportion has remained fairly constant over the four years to June 1988. Also, although significant, the manufacturing sector is only the third largest employer in New South Wales (at May 1988).

Wages, salaries and supplements component of Gross Domestic Product at factor cost, State by State comparisons (see Tables 1.1 and 1.2).

Wages, salaries and supplements are the major component of Gross Domestic Product at factor cost and for 1987-88 the manufacturing industry in New South Wales accounted for nearly 38 per cent of the total for manufacturing industry in Australia. This is almost the same proportion as the three previous years. For the period 1984-85 to 1987-88, the New South Wales manufacturing sector was between 3.5 per cent and 4.6 per cent larger than Victoria (the next largest state).

As the following graph shows, New South Wales and Victoria dominate the Australian manufacturing sector, accounting for about 71 per cent of wages, salaries and supplements in 1987-88. This factor has remained fairly constant over the four year period since June 1984.

**MANUFACTURING INDUSTRY: WAGES, SALARIES & SUPPLEMENTS
COMPONENT OF GROSS DOMESTIC PRODUCT AT FACTOR COST
PERCENTAGE BY STATE**

(see Table 1.1)

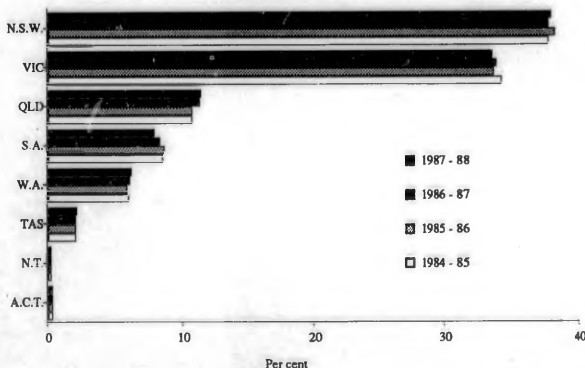


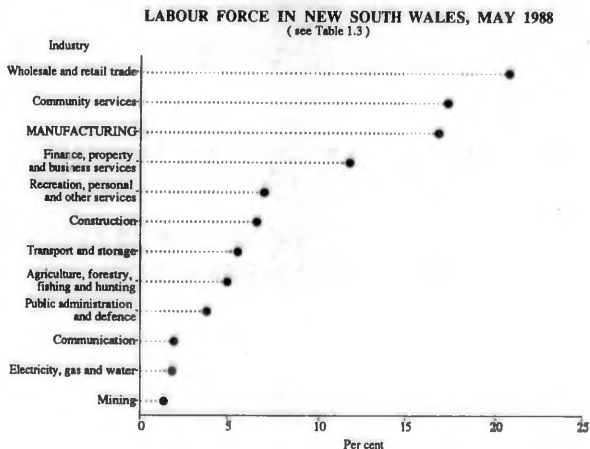
Table 1.2 shows that the importance of New South Wales (measured in terms of wages, salaries and supplements) in manufacturing across Australia is a reflection of the importance of the New South Wales economy to the Australian total for all industries, at around 36 per cent.

Employed persons, State and industry sector comparisons (see Table 1.3)

Employment statistics in this publication are derived from two different ABS collections, the monthly Labour Force Survey and the annual Manufacturing Census. Because of differing methodologies used it is not possible to define concepts uniformly, and as a result there are slight differences in the data from the two series. These arise from variations in, the treatment of part-time and casual employees, multiple job holders, and industry classification. A detailed outline of these differences is available in Chapter 2 of the publication, *A Guide to Labour Statistics*, (Catalogue No. 6102.0).

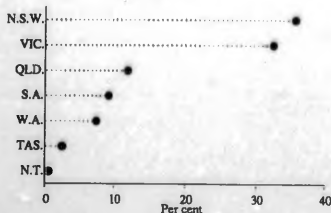
Data in Table 1.3 are derived from the ABS monthly Labour Force Survey. As the following graph shows, in May 1988 manufacturing was the third largest employer of the work force in the New South Wales economy. It employed just on 17 per cent of the work force, compared with nearly 21 per cent for wholesale and retail trade, and just over 17 per cent for community services.

More Labour Force Survey data on the New South Wales manufacturing sector are provided in Table 4.1.



MANUFACTURING SECTOR LABOUR FORCE MAY 1988

(see Table 1.3)



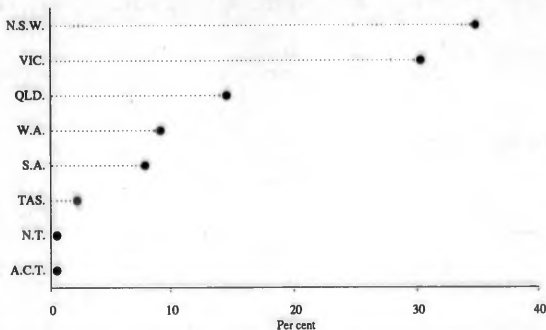
In May 1988 nearly 36 per cent of the 1.18 million persons employed in manufacturing across Australia worked in New South Wales. This was followed by 33 per cent in Victoria and just over 12 per cent in Queensland.

Number of establishments, employment, wages and salaries, and turnover; State and Territory comparison (see Tables 1.4 and 1.5)

Data in these two tables were derived from the ABS Manufacturing Census. At the end of June 1988 there were more than 45,000 manufacturing establishments in Australia, 35 per cent of these were located in New South Wales, followed by just over 30 per cent in Victoria, and around 14 per cent in Queensland.

PERCENTAGE OF MANUFACTURING ESTABLISHMENTS IN EACH STATE, 1987-88

(see Table 1.4)



Employment in manufacturing in New South Wales showed an increase of nearly 1 per cent (3,700) over the period June 1985 to June 1988. All states recorded an increase with New South Wales being the lowest in percentage terms.

Table 1.5 provides details of the number of establishments and turnover for those establishments employing four or more persons. Table 1.5, therefore, excludes establishments employing less than four persons, while Table 1.4 includes them. In 1987-88 this involved nearly 5,000 establishments in New South Wales and 14,000 nationally.

Between 1984-85 and 1987-88 there was an increase in turnover for manufacturing establishments with four or more employees, at the Australia level, of \$35,610.9m (36 per cent). Over the same period the price of items produced (as shown in the ABS's Price Indexes of Articles Produced by Manufacturing Industries, refer Table 5.9 in Section 5) rose by just under 21 per cent. Turnover for both New South Wales and Victoria also increased by 36 per cent over the period 1984-85 to 1987-88.

In 1987-88 the New South Wales contribution to Australian turnover for manufacturing establishments with four or more employees was \$46,443m, or around 35 per cent. The next largest state, Victoria, contributed a further 34 per cent. The New South Wales proportion has remained more or less constant since 1984-85.

TURNOVER 1987-88

(see Table 1.5)

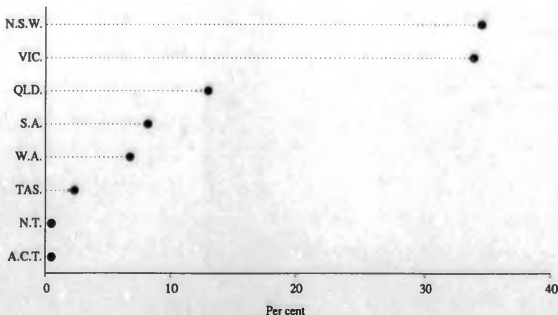


TABLE 1.1 MANUFACTURING INDUSTRY: GROSS DOMESTIC PRODUCT AT FACTOR COST BY STATE AND PRINCIPAL COMPONENTS

State or Territory	1984-85		1985-86		1986-87		1987-88	
	(\$m)	(per cent)	(\$m)	(per cent)	(\$m)	(per cent)	(\$m)	(per cent)
New South Wales								
Wages, salaries & supplements	8,731	37.6	9,496	38.1	10,018	37.6	11,206	37.8
Gross operating surplus	3,619	33.5	4,226	34.2	4,503	34.1	n.y.a.	"
Total	12,350	36.3	13,722	36.8	14,521	36.4	n.y.a.	"
Victoria								
Wages, salaries & supplements	7,910	34.1	8,359	33.5	8,998	33.7	9,890	33.4
Gross operating surplus	3,667	34.0	4,156	33.7	4,448	33.6	n.y.a.	"
Total	11,577	34.1	12,515	33.6	13,446	33.7	n.y.a.	"
Queensland								
Wages, salaries & supplements	2,480	10.7	2,668	10.7	3,003	11.3	3,362	11.4
Gross operating surplus	1,428	13.2	1,566	12.7	1,635	12.4	n.y.a.	"
Total	3,908	11.5	4,234	11.4	4,638	11.6	n.y.a.	"
South Australia								
Wages, salaries & supplements	1,995	8.6	2,169	8.7	2,229	8.4	2,381	8.0
Gross operating surplus	806	7.5	945	7.6	1,041	7.9	n.y.a.	"
Total	2,801	8.2	3,114	8.4	3,270	8.2	n.y.a.	"
Western Australia								
Wages, salaries & supplements	1,405	6.1	1,503	6.0	1,640	6.2	1,871	6.3
Gross operating surplus	899	8.3	1,014	8.2	1,101	8.3	n.y.a.	"
Total	2,304	6.8	2,517	6.8	2,741	6.9	n.y.a.	"
Tasmania								
Wages, salaries & supplements	514	2.2	561	2.2	598	2.2	671	2.3
Gross operating surplus	288	2.7	345	2.8	402	3.0	n.y.a.	"
Total	802	2.4	906	2.4	1,000	2.5	n.y.a.	"
Northern Territory								
Wages, salaries & supplements	70	0.3	72	0.3	73	0.3	94	0.3
Gross operating surplus	43	0.4	37	0.3	41	0.3	n.y.a.	"
Total	113	0.3	109	0.3	114	0.3	n.y.a.	"
Australian Capital Territory								
Wages, salaries & supplements	95	0.4	95	0.4	105	0.4	130	0.4
Gross operating surplus	43	0.4	49	0.4	53	0.4	n.y.a.	"
Total	138	0.4	144	0.4	158	0.4	n.y.a.	"
AUSTRALIA								
Wages, salaries & supplements	23,200	100	24,923	100	26,664	100	29,605	100
Gross operating surplus	10,793	100	12,338	100	13,224	100	15,785	100
Total	33,993	100	37,261	100	39,888	100	45,390	100

Source : ABS catalogue no. 5220.0.

TABLE 1.2 ALL INDUSTRIES: WAGES, SALARIES AND SUPPLEMENTS COMPONENT OF GROSS DOMESTIC PRODUCT AT FACTOR COST BY STATE

State or Territory	1984-85		1985-86		1986-87		1987-88	
	(\$m)	(per cent)	(\$m)	(per cent)	(\$m)	(per cent)	(\$m)	(per cent)
New South Wales	39,933	36.1	43,848	36.0	48,244	36.0	53,740	36.3
Victoria	29,768	26.9	32,826	27.0	36,669	27.4	40,858	27.6
Queensland	15,430	13.9	17,067	14.0	18,838	14.1	20,573	13.9
South Australia	9,081	8.2	9,764	8.1	10,447	7.8	11,130	7.5
Western Australia	9,740	8.8	10,732	8.8	11,634	8.7	13,084	8.8
Tasmania	2,739	2.5	3,004	2.5	3,285	2.5	3,496	2.4
Northern Territory	1,206	1.1	1,389	1.1	1,498	1.1	1,569	1.1
Australian Capital Territory	2,760	2.5	3,114	2.6	3,403	2.5	3,727	2.5
Australia	110,657	100.0	121,744	100.0	134,018	100.0	148,177	100.0

Source : ABS Catalogue No. 5220.0. Data has been revised since last edition.

TABLE 1.3 ALL INDUSTRIES: EMPLOYED PERSONS BY INDUSTRY SUB-DIVISION, STATES AND TERRITORIES, MAY 1988 ('000)

Industry	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	Aust. (a)
01-04 Agriculture, forestry, fishing and hunting	124	92	87	46	60	17	1	429
11-16 Mining	33	5	22	4	22	4	3	94
21-34 Manufacturing	422	385	143	108	86	28	2	1,180
36-37 Electricity, gas and water	45	31	16	10	9	5	1	118
41-42 Construction	168	132	99	39	56	12	7	524
47-48 Wholesale and retail trade	517	401	252	128	147	36	13	1,517
51-58 Transport and storage	140	92	74	28	34	9	4	387
59 Communication	48	34	23	8	10	4	1	129
61 Finance, property and business services	293	223	121	51	75	14	6	798
71-72 Public administration and defence	94	90	52	25	31	10	10	347
81-84 Community services	435	327	204	128	120	41	15	1,300
91-94 Recreation, personal and other services	177	123	106	45	50	14	6	532
Total	2,496	1,935	1,200	619	702	194	68	7,355

(a) Includes A.C.T. Source : ABS Labour Force Estimates, May 1988 (unpublished data).

TABLE 1.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS BY STATE

State or Territory		Establishments at end of June		Employment at end of June (a)				Wages and salaries (b)	
		(no.)	(per cent)	Males (^{'000})	Females (^{'000})	Persons		(\$m)	(per cent)
						(^{'000})	(per cent)		
New South Wales	1987-88	15,906	35.0	275.7	103.3	379.0	34.7	8,845	36.6
	1986-87	14,644	34.7	269.9	98.5	368.4	35.0	7,996	36.8
	1984-85	15,523	37.0	276.4	98.9	375.3	35.8	7,063	37.2
Victoria	1987-88	13,785	30.3	260.7	115.2	375.8	34.4	8,380	34.6
	1986-87	12,842	30.4	253.3	110.9	364.3	34.6	7,505	34.5
	1984-85	12,224	29.1	256.0	108.4	364.4	34.8	6,604	34.8
Queensland	1987-88	6,568	14.4	100.2	31.4	131.6	12.0	2,572	10.6
	1986-87	5,960	14.1	94.6	27.2	121.8	11.6	2,290	10.5
	1984-85	5,633	13.4	91.4	23.6	115.1	11.0	1,968	10.4
South Australia	1987-88	3,600	7.9	73.3	24.2	97.5	8.9	2,020	8.3
	1986-87	3,321	7.9	69.3	23.2	92.5	8.8	1,824	8.4
	1984-85	3,276	7.8	72.5	21.9	94.5	9.0	1,618	8.5
Western Australia	1987-88	4,164	9.2	59.8	16.5	76.3	7.0	1,641	6.8
	1986-87	4,063	9.6	56.8	15.5	72.3	6.9	1,425	6.6
	1984-85	4,013	9.6	53.2	13.8	67.0	6.4	1,142	6.0
Tasmania	1987-88	991	2.2	20.3	5.2	25.4	2.3	566	2.3
	1986-87	950	2.3	20.0	5.0	25.0	2.4	530	2.4
	1984-85	880	2.1	19.7	4.7	25.1	2.4	446	2.4
Northern Territory	1987-88	243	0.5	2.6	0.8	3.4	0.3	83	0.3
	1986-87	212	0.5	2.4	0.6	3.0	0.3	69	0.3
	1984-85	212	0.5	2.2	0.5	2.8	0.3	59	0.3
Australian Capital Territory	1987-88	218	0.5	3.1	1.1	4.2	0.4	91	0.4
	1986-87	185	0.4	3.1	1.0	4.2	0.4	89	0.4
	1984-85	204	0.5	2.7	0.9	3.5	0.3	65	0.3
AUSTRALIA	1987-88	45,475	100.0	795.7	297.6	1,093.2	100.0	24,199	100.0
	1986-87	42,177	100.0	769.4	281.9	1,051.5	100.0	21,727	100.0
	1984-85	41,965	100.0	774.1	272.7	1,047.7	100.0	18,965	100.0

(a) Includes working proprietors. (b) Excludes the drawings of working proprietors.

TABLE 1.5 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS: NUMBER OF ESTABLISHMENTS AND TURNOVER BY INDUSTRY SUB-DIVISION AND STATE

State or Territory	1984-85		1985-86		1986-87		1987-88	
	Establish- ments (no.)	Turn- over (\$m)	Establish- ments (no.)	Turn- over (\$m)	Establish- ments (no.)	Turn- over (\$m)	Establish- ments (no.)	Turn- over (\$m)
FOOD, BEVERAGES AND TOBACCO								
New South Wales	972	6,228.3			940	7,279.9	1,060	8,090.5
Victoria	1,003	6,673.4			1,103	7,777.7	1,242	8,884.0
Queensland	550	4,123.7	No Manufacturing Census Conducted		642	5,023.3	709	5,500.6
South Australia	349	1,695.1			367	1,933.0	387	2,157.4
Western Australia	369	1,494.3			356	1,796.5	376	2,112.4
Tasmania	115	684.5			115	825.2	121	878.0
Northern Territory	18	57.5			24	63.3	25	89.8
Australian Capital Territory	11	51.3			14	47.8	18	52.1
Australia	3,387	21,007.9			3,561	24,746.7	3,938	27,764.8
TEXTILES								
New South Wales	210	840.6			227	980.8	255	1,154.8
Victoria	304	1,370.1			300	1,749.7	313	1,962.6
Queensland	47	110.2			48	124.8	58	138.3
South Australia	43	199.1			40	347.3	45	407.0
Western Australia	38	75.1			38	104.9	45	117.3
Tasmania	12	n.p.			8	n.p.	11	108.2
Northern Territory	2	n.p.			2	n.p.	4	2.9
Australian Capital Territory								
Australia	656	2,688.6			663	3,411.9	731	3,891.0
CLOTHING AND FOOTWEAR								
New South Wales	790	1,112.6			717	1,368.0	865	1,651.8
Victoria	955	2,057.4			1,030	2,391.5	1,089	2,443.9
Queensland	113	126.4			159	194.5	192	227.0
South Australia	81	183.8			83	217.0	95	240.6
Western Australia	60	50.3			77	65.8	74	72.2
Tasmania	6	17.7			12	29.6	12	33.2
Northern Territory	2	n.p.			1	n.p.	1	n.p.
Australian Capital Territory	4	n.p.			2	n.p.	4	n.p.
Australia	2,011	3,550.8			2,081	4,269.1	2,332	4,672.1
WOOD AND FURNITURE								
New South Wales	1,365	1,667.1			1,284	1,887.3	1,409	2,323.9
Victoria	1,124	1,292.1			1,261	1,587.1	1,363	1,798.0
Queensland	601	625.2			764	770.8	855	998.4
South Australia	329	526.9			333	530.3	377	599.4
Western Australia	417	479.2			459	629.5	451	786.7
Tasmania	138	328.0			115	399.0	176	436.1
Northern Territory	17	10.3			17	11.9	19	14.6
Australian Capital Territory	32	40.4			27	43.1	38	49.3
Australia	4,023	4,969.3			4,300	5,859.0	4,688	7,006.5
PAPER, PRINTING AND PUBLISHING								
New South Wales	1,251	3,074.2			1,186	3,859.5	1,327	4,578.4
Victoria	899	2,833.2			947	3,611.7	1,023	4,096.7
Queensland	278	769.1			349	926.9	400	1,104.1
South Australia	213	522.4			217	653.1	231	732.2
Western Australia	221	402.8			267	540.2	247	621.7
Tasmania	53	435.0			62	685.0	63	758.8
Northern Territory	17	18.8			18	24.8	23	29.7
Australian Capital Territory	40	89.3			30	99.5	42	96.7
Australia	2,972	8,144.7			3,076	10,400.7	3,356	12,018.3

TABLE 1.5 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS: NUMBER OF ESTABLISHMENTS AND TURNOVER BY INDUSTRY SUB-DIVISION AND STATE (continued)

State or Territory	1984-85		1985-86		1986-87		1987-88	
	Establish- ments (no.)	Turn- over (\$m)	Establish- ments (no.)	Turn- over (\$m)	Establish- ments (no.)	Turn- over (\$m)	Establish- ments (no.)	Turn- over (\$m)
CHEMICALS, PETROLEUM AND COAL								
New South Wales	400	4,027.1			375	4,907.6	407	5,765.0
Victoria	278	2,875.7			284	3,399.6	301	3,837.3
Queensland	78	1,932.1	No Manufacturing Census Conducted		92	1,841.3	112	1,952.3
South Australia	47	346.1			40	384.1	47	447.1
Western Australia	69	516.7			66	591.1	76	715.8
Tasmania	14	n.p.			13	n.p.	16	n.p.
Northern Territory	-	-			-	-	1	n.p.
Australian Capital Territory	1	n.p.			1	n.p.	-	-
Australia	887	9,810.9			871	11,277.8	960	12,877.3
NON-METALLIC MINERALS								
New South Wales	556	1,544.8			589	1,857.3	600	2,002.2
Victoria	388	1,187.8			421	1,392.7	439	1,597.2
Queensland	346	845.8			373	844.2	388	1,075.0
South Australia	139	406.8			140	454.2	150	476.2
Western Australia	199	459.0			203	604.4	199	668.0
Tasmania	47	105.0			49	117.5	51	121.8
Northern Territory	22	61.6			22	50.7	22	34.9
Australian Capital Territory	14	45.1			14	58.1	14	45.4
Australia	1,711	4,655.9			1,811	5,379.1	1,863	6,020.8
BASIC METALS								
New South Wales	194	5,172.1			179	5,870.2	189	6,842.2
Victoria	175	2,396.9			203	3,081.5	202	3,459.6
Queensland	65	1,564.9			72	1,782.0	78	2,293.1
South Australia	38	809.2			41	930.5	48	1,168.0
Western Australia	40	1,836.5			56	1,890.7	48	1,892.9
Tasmania	11	n.p.			12	n.p.	11	n.p.
Northern Territory	4	n.p.			2	n.p.	4	n.p.
Australian Capital Territory	2	n.p.			2	n.p.	2	n.p.
Australia	529	12,439.4			567	14,230.4	582	16,358.2
FABRICATED METALS								
New South Wales	1,661	2,625.4			1,599	3,180.9	1,820	3,629.8
Victoria	1,074	2,186.1			1,139	2,547.8	1,283	3,112.7
Queensland	538	935.9			656	1,187.9	752	1,482.3
South Australia	336	494.4			365	578.7	404	708.6
Western Australia	395	531.9			447	768.8	430	944.9
Tasmania	89	94.3			100	123.0	109	132.1
Northern Territory	29	n.p.			32	n.p.	34	n.p.
Australian Capital Territory	15	n.p.			11	n.p.	16	n.p.
Australia	4,137	6,947.6			4,349	8,463.6	4,848	10,113.0
TRANSPORT EQUIPMENT								
New South Wales	421	2,023.7			410	2,207.9	458	2,272.6
Victoria	383	5,159.4			404	5,721.1	421	6,762.2
Queensland	202	906.6			259	906.7	273	1,029.4
South Australia	125	1,395.2			129	1,760.3	138	2,260.3
Western Australia	150	251.7			146	326.6	165	387.2
Tasmania	17	44.7			23	49.8	22	42.5
Northern Territory	5	6.0			7	7.0	11	4.6
Australian Capital Territory	5	2.7			6	3.8	6	5.0
Australia	1,308	9,790.1			1,384	10,983.3	1,494	12,763.8

TABLE 1.5 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS: NUMBER OF ESTABLISHMENTS AND TURNOVER BY INDUSTRY SUB-DIVISION AND STATE (continued)

State or Territory	1984-85		1985-86		1986-87		1987-88	
	Establishments (no.)	Turn-over (\$m)	Establishments (no.)	Turn-over (\$m)	Establishments (no.)	Turn-over (\$m)	Establishments (no.)	Turn-over (\$m)
OTHER EQUIPMENT								
New South Wales	1,555	4,001.3			1,492	4,916.5	1,629	5,490.4
Victoria	1,173	3,325.5			1,189	4,252.8	1,317	4,808.7
Queensland	337	585.0	No Manufacturing Census Conducted		394	769.1	450	860.1
South Australia	317	817.2			315	952.6	358	1,131.3
Western Australia	325	485.7			348	593.5	368	708.9
Tasmania	45	36.3			50	53.5	61	33.1
Northern Territory	11	4.2			10	2.7	15	8.5
Australian Capital Territory	15	13.2			16	25.5	22	27.3
Australia	3,778	9,268.3			3,814	11,566.3	4,220	13,088.4
MISCELLANEOUS								
New South Wales	843	1,770.0			813	2,225.0	900	2,642.0
Victoria	743	2,078.9			828	2,456.8	865	2,814.0
Queensland	237	395.7			282	476.9	357	549.0
South Australia	179	450.5			197	611.5	225	757.4
Western Australia	168	205.5			197	303.0	196	388.9
Tasmania	28	29.8			34	40.6	33	n.p.
Northern Territory	10	3.9			10	4.8	13	n.p.
Australian Capital Territory	4	0.8			7	2.3	5	3.7
Australia	2,212	4,935.1			2,368	6,121.0	2,594	7,245.5
TOTAL MANUFACTURING								
New South Wales	10,218	34,087.4			9,811	40,540.9	10,919	46,443.4
Victoria	8,499	33,436.3			9,109	39,969.9	9,858	45,576.8
Queensland	3,392	12,920.6			4,090	14,848.5	4,624	17,254.7
South Australia	2,196	7,846.7			2,267	9,352.7	2,505	11,085.5
Western Australia	2,451	6,788.5			2,660	8,215.1	2,675	9,416.9
Tasmania	575	2,422.9			633	3,050.2	686	3,242.6
Northern Territory	137	407.4			145	404.7	172	450.7
Australian Capital Territory	143	298.9			130	326.9	167	349.0
Australia	27,611	98,208.7			28,845	116,708.8	31,606	133,819.6

SECTION 2. MANUFACTURING INDUSTRY IN DETAIL, NEW SOUTH WALES

This Section provides detailed information on manufacturing industries in New South Wales. The data provided are drawn mostly from the 1987-88 Manufacturing Census, although it also includes data from the ABS monthly Manufacturing Production collection.

Number of establishments, employment, and turnover (see Table 2.1)

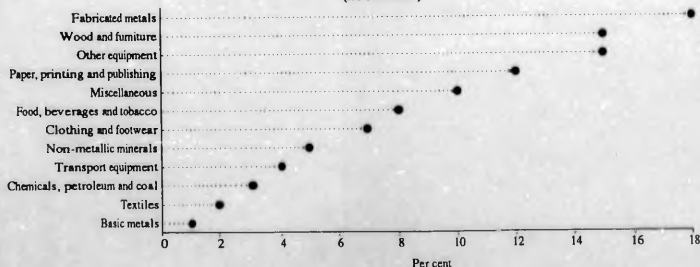
Paragraphs 3 and 11 of the Explanatory Notes describe changes to the methodology of the Manufacturing Census introduced for 1987-88. As a result of these changes all establishments were asked to provide data only for employment at 30 June, wages and salaries and turnover. New South Wales data is provided in Table 2.1 and the relative importance of each industry sub-division within the manufacturing sector is summarized below.

SUMMARY OF OPERATIONS, 1987-88

<i>Industry Sub-Division</i>	<i>Establishments (per cent)</i>	<i>Employment (per cent)</i>	<i>Turnover (per cent)</i>
Food, beverages and tobacco	8	14	17
Textiles	2	3	2
Clothing and footwear	7	6	4
Wood and furniture	15	7	5
Paper, printing and publishing	12	11	10
Chemicals, petroleum and coal	3	7	12
Non-metallic minerals	5	4	4
Basic metals	1	10	15
Fabricated metals	18	10	8
Transport equipment	4	8	5
Other equipment	15	15	12
Miscellaneous manufacturing	10	6	6
Total Manufacturing	100	100	100

The relative importance of these industries varies with the data item being considered. The following graph shows that of the 15,906 establishments operating in New South Wales at the end of June 1988, the largest proportion were involved in fabricated metals (18 per cent) followed by wood and furniture and other equipment manufacture (both 15 per cent) and paper, printing and publishing (12 per cent).

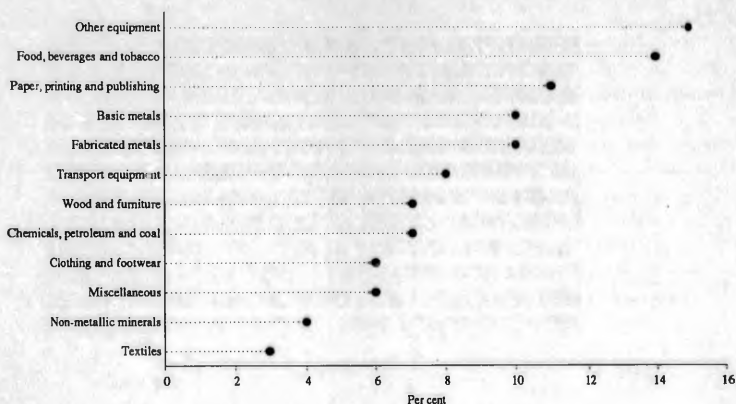
ESTABLISHMENTS, INDUSTRY SUB-DIVISION 1987-88
(see Table 2.1)



In terms of employment, however, the picture is slightly different. Of the 379,002 persons employed in manufacturing in New South Wales, the largest proportion worked in other equipment manufacture (15 per cent), food, beverages and tobacco (14 per cent), paper, printing and publishing (11 per cent), and fabricated metals (10 per cent). The proportions for all industries are shown in the following graph.

EMPLOYMENT, INDUSTRY SUB-DIVISION 1987-88

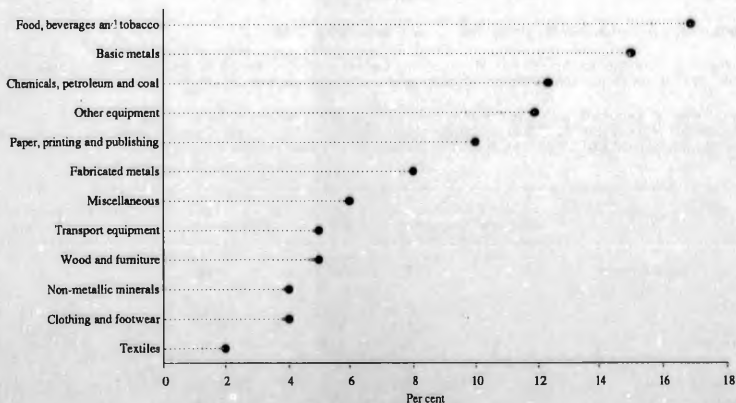
(see Table 2.1)



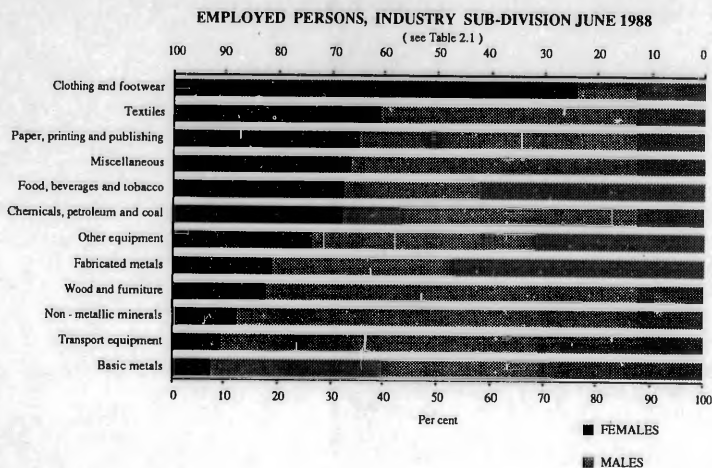
For turnover, food, beverages and tobacco is the largest manufacturing industry sub-division in New South Wales (17 per cent), followed by basic metals (15 per cent), chemicals, petroleum and coal (12 per cent) and other equipment manufacture (12 per cent).

TURNOVER, INDUSTRY SUB-DIVISION 1987-88

(see Table 2.1)



Nearly 73 per cent of persons employed in manufacturing in New South Wales at the end of June 1988 were male. The following graph shows that the proportion of males to females varies significantly across industry sub-divisions. For example, only 24 per cent of those employed in clothing and footwear were male, whilst the figure for basic metals was 93 per cent.



The largest percentage of males employed in manufacturing in New South Wales worked in other equipment manufacture (16 per cent), followed by food, beverages and tobacco (13 per cent), basic metals (12 per cent) and fabricated metals (11 per cent).

The largest employers of females are the clothing and footwear, and food, beverage and tobacco sub-divisions (17 per cent each), other equipment manufacture (15 per cent) and paper, printing and publishing (14 per cent).

Manufacturing establishments employing four or more persons (see Table 2.2)

Changes in methodology for the 1987-88 Manufacturing Census resulted in manufacturing establishments being asked to provide data only for employment at the end of June, wages and salaries and turnover.

The following table shows that at the end of June 1988, 68.6 per cent of manufacturing establishments in New South Wales employed four or more persons. These establishments accounted for 97.4 per cent of persons employed, 99.0 per cent of wages and salaries paid and 98.9 per cent of turnover for New South Wales' manufacturing sector.

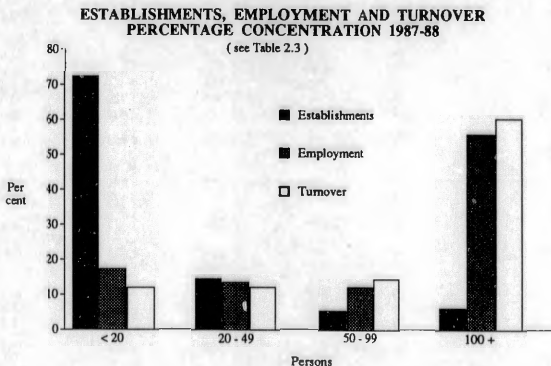
Item	Establishments employing four or more persons at end of June 1988	Total establishments at end of June 1988	Percentage of total establishments with four or more employees
Number of establishments	10,919	15,906	68.6
Employment at end of June			
Males	269,015	275,737	97.6
Females	100,238	103,265	97.1
Persons	369,253	379,002	97.4
Wages and salaries	\$8,759.8m	\$8,845.4m	99.0
Turnover	\$46,443.4m	\$46,957.2m	98.9

Size of manufacturing establishments (see Table 2.3)

Table 2.3 shows size information for establishments employing four or more persons at the end of June 1988. This information is provided at the industry group level for number of establishments, employment, wages and salaries and turnover.

As the following graph shows, in 1987-88, 73 per cent (7,950) of the 10,919 manufacturing establishments with employment of four or more persons, employ fewer than 20 persons. At the other end of the scale around 7 per cent (720) employ 100 or more. These figures are similar to those from the 1984-85 and 1986-87 Manufacturing Censuses.

The concentrated nature of manufacturing production in New South Wales is made more evident by the fact that those establishments employing 100 or more persons account for around 56 per cent of employment and contribute about 61 per cent of turnover. These proportions are shown in the following graph.



The degree of fragmentation in respect of employment varies significantly by industry sub-division. The least concentrated industries are wood and furnishing with only 25 per cent of persons employed in establishments of 100 or more persons, followed by fabricated metals with 31 per cent. At the other end of the scale the most concentrated industries (in terms of employment) are basic metals (91 per cent) and transport equipment (79 per cent).

Principal products manufactured in New South Wales (see Table 2.4)

All preceding tables in this Section contain financial, industry based information from the 1987-88 Manufacturing Census. Table 2.4 provides details of quantities produced in New South Wales for 47 individual items. This information is derived from the ABS's monthly Manufacturing Production collection, which obtains data from establishments employing four or more persons and known to be producing selected commodities.

The main feature of interest in this table are those items where significant increases or decreases in annual production have occurred. Listed below are those items showing the most significant variations from 1984-85 to 1987-88.

<i>Item</i>	<i>Increase in Production (per cent)</i>	<i>Decrease in Production (per cent)</i>
Mutton	82	-
Pig meats	65	-
Chocolate	58	-
Bacon and ham	57	-
Beef and veal	49	-
Cookers, domestic electric	-	12
Lamb	-	16
Men's and boys' sports coats	-	17
Butter	-	60

TABLE 2.1 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS
BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
FOOD, BEVERAGES AND TOBACCO							
Meat Products							
2115	Meat	94	6,727	897	7,624	171.2	966.5
2116	Poultry	45	1,784	2,052	3,836	72.2	480.0
2117	Smallgoods	43	1,185	502	1,687	36.6	242.9
211	Total	182	9,696	3,451	13,147	280.1	1,689.5
Milk Products							
2121	Milk	38	1,957	356	2,313	54.9	514.2
2122	Butter	2	n.p.	n.p.	n.p.	n.p.	n.p.
2123	Cheese	16	295	156	451	8.6	108.6
2124	Ice cream	18	544	385	929	20.0	126.8
2125	Other	2	n.p.	n.p.	n.p.	n.p.	n.p.
212	Total	76	3,264	1,139	4,403	104.1	808.4
Fruit and Vegetables							
2131	Fruit	43	599	243	842	20.3	176.1
2132	Vegetables	18	859	511	1,370	35.1	149.9
213	Total	61	1,458	754	2,212	55.4	325.9
214	Margarine, Oils	11	849	224	1,073	n.p.	n.p.
Cereal Products							
2151	Flour	19	666	91	757	n.p.	n.p.
2152	Starch	6	482	43	525	15.4	151.2
2153	Cereals	39	2,134	783	2,917	71.2	533.1
215	Total	64	3,282	917	4,199	n.p.	n.p.
Bread, etc.							
2161	Bread	412	3,939	2,665	6,604	104.4	430.5
2162	Cakes and pastries	116	1,482	1,223	2,705	n.p.	n.p.
2163	Biscuits	17	1,170	932	2,102	n.p.	n.p.
216	Total	545	6,591	4,820	11,411	200.0	825.3
Other Food Products							
2171	Sugar	3	n.p.	n.p.	n.p.	n.p.	n.p.
2173	Confectionery	41	n.p.	n.p.	n.p.	n.p.	n.p.
2174	Seafoods	14	313	488	801	n.p.	n.p.
2175	Animal foods	51	977	309	1,286	28.8	425.5
2176	Other	112	3,607	2,015	5,622	146.0	800.2
217	Total	221	6,263	3,927	10,190	249.3	1,666.3
Beverages							
2185	Soft drinks	49	1,241	427	1,668	40.9	477.0
2186	Beer	3	n.p.	n.p.	n.p.	n.p.	n.p.
2187	Malt	2	n.p.	n.p.	n.p.	n.p.	n.p.
2188	Wine and brandy	47	733	459	1,192	22.9	199.8
2189	Other alcohol	3	n.p.	n.p.	n.p.	n.p.	n.p.
218	Total Beverages	104	n.p.	n.p.	n.p.	n.p.	n.p.
219	Tobacco	2	n.p.	n.p.	n.p.	n.p.	n.p.
21	FOOD, BEVERAGES AND TOBACCO	1,266	36,496	17,291	53,787	1,236.0	8,117.8

For footnotes, see end of table.

TABLE 2.1 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS
BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
TEXTILES							
Yarns and Fabrics							
2341	Cotton ginning	11	n.p.	n.p.	n.p.	n.p.	n.p.
2342	Wool scouring	10	419	72	491	n.p.	n.p.
2343	Man made fibres	5	n.p.	n.p.	n.p.	n.p.	n.p.
2344	Man made fabric	18	650	311	961	n.p.	n.p.
2345	Cotton fabric	13	705	453	1,158	n.p.	n.p.
2346	Worsted	3	n.p.	n.p.	n.p.	n.p.	n.p.
2347	Woollens	5	105	82	187	n.p.	n.p.
2348	Elastic textiles	9	116	129	245	5.3	34.6
2349	Textile finishing	27	455	123	578	n.p.	n.p.
234	Total	101	3,372	1,711	5,083	113.3	608.2
Other Textiles							
2351	Household	41	122	312	434	6.3	44.3
2352	Floor coverings	13	409	141	550	n.p.	n.p.
2353	Felt	4	n.p.	n.p.	n.p.	n.p.	n.p.
2354	Canvas	132	687	476	1,163	19.8	82.8
2355	Rope	4	n.p.	n.p.	n.p.	n.p.	n.p.
2356	Other	50	874	919	1,793	47.1	275.3
235	Total	244	2,413	2,016	4,429	97.4	554.0
23	TEXTILES	345	5,785	3,727	9,512	210.7	1,162.3
CLOTHING AND FOOTWEAR							
Knitting Mills							
2441	Hosiery	3	n.p.	n.p.	n.p.	n.p.	n.p.
2442	Pullovers	23	n.p.	n.p.	n.p.	n.p.	n.p.
2443	Other	29	527	1,096	1,623	n.p.	n.p.
244	Total	55	866	1,986	2,852	n.p.	n.p.
Clothing							
2451	Men's trousers	42	262	1,481	1,743	26.0	133.8
2452	Men's suits	32	162	703	865	n.p.	n.p.
2453	Women's outerwear	555	1,609	5,980	7,589	107.0	657.3
2454	Foundation wear	10	98	1,013	1,111	n.p.	n.p.
2455	Underwear and infants' wear	83	677	3,460	4,137	66.7	207.1
2456	Other	220	726	1,515	2,241	35.1	152.3
245	Total	942	3,534	14,152	17,686	265.5	1,253.1
246	Footwear	80	1,214	1,608	2,822	n.p.	n.p.
24	CLOTHING AND FOOTWEAR	1,077	5,614	17,746	23,360	368.1	1,676.1

For footnotes, see end of table.

TABLE 2.1 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS
BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
WOOD AND FURNITURE							
Wood							
2531	Sawmilling	273	2,784	248	3,032	48.3	246.7
2532	Timber	52	1,380	140	1,520	29.2	179.7
2533	Veneers	28	1,478	226	1,704	41.8	263.2
2534	Doors	14	419	95	514	n.p.	n.p.
2535	Fittings and joinery	765	6,318	1,161	7,479	135.6	614.0
2536	Containers	42	467	74	541	9.5	42.5
2537	Woodchips	3	n.p.	n.p.	n.p.	n.p.	n.p.
2538	Other	235	n.p.	n.p.	n.p.	n.p.	n.p.
253	Total	1,412	13,808	2,288	16,096	295.1	1,533.4
Furniture							
2541	Furniture	950	7,793	2,082	9,875	n.p.	n.p.
2542	Mattresses	26	610	377	987	n.p.	n.p.
254	Total	976	8,403	2,459	10,862	202.4	877.8
25	WOOD AND FURNITURE	2,388	22,211	4,747	26,958	497.5	2,411.1
PAPER, PRINTING AND PUBLISHING							
Paper							
2631	Pulp and paper	14	1,438	177	1,615	n.p.	n.p.
2632	Paper bags	11	165	118	283	n.p.	n.p.
2633	Solid containers	17	1,009	212	1,221	n.p.	n.p.
2634	Corrugated containers	18	1,538	276	1,814	n.p.	n.p.
2635	Other	37	725	388	1,113	n.p.	n.p.
263	Total	97	4,875	1,171	6,046	164.8	1,144.1
Printing and Publishing							
2641	Publishing	339	2,231	3,141	5,372	122.0	738.3
2642	Printing and publishing	120	5,943	3,317	9,260	272.6	931.0
2643	Stationery	74	1,843	1,077	2,920	76.1	335.0
2644	Printing and bookbinding	1,068	9,571	4,835	14,406	312.5	1,297.1
2645	Services	256	2,034	777	2,811	71.8	208.7
264	Total	1,857	21,622	13,147	34,769	854.9	3,510.1
26	PAPER, PRINTING AND PUBLISHING	1,954	26,497	14,318	40,815	1,019.7	4,654.2

For footnotes, see end of table.

TABLE 2.1 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS
BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
CHEMICALS, PETROLEUM AND COAL							
Basic Chemicals							
	2751 Fertilisers	5	586	49	635	n.p.	n.p.
	2752 Gases	14	289	62	351	n.p.	n.p.
	2753 Resins and rubber (synthetic)	20	1,166	185	1,351	n.p.	n.p.
	2754 Organic chemicals	20	1,092	137	1,229	n.p.	n.p.
	2755 Inorganic chemicals	36	974	313	1,287	38.2	322.6
275	Total	95	4,107	746	4,853	n.p.	n.p.
Other Chemicals							
	2761 Explosives	12	694	275	969	n.p.	n.p.
	2762 Paints	65	2,251	567	2,818	80.0	498.4
	2763 Pharmaceuticals	86	3,191	2,996	6,187	177.2	1,125.4
	2764 Pesticides	15	603	361	964	26.5	411.1
	2765 Soaps	88	2,156	1,103	3,259	81.2	713.0
	2766 Cosmetics	37	919	1,299	2,218	68.3	436.0
	2767 Inks	13	337	72	409	n.p.	n.p.
	2768 Other	66	930	372	1,302	36.3	301.3
276	Total	382	11,081	7,045	18,126	511.9	3,698.3
277	Petroleum refining	3	1,390	56	1,446	59.9	243.5
278	Petroleum and coal products	16	278	54	332	n.p.	n.p.
27	CHEMICALS, PETROLEUM AND COAL	496	16,856	7,901	24,757	742.5	5,780.7
NON - METALLIC MINERALS							
285	Glass	54	2,354	443	2,797	n.p.	n.p.
Clay							
	2861 Bricks	43	1,828	156	1,984	n.p.	n.p.
	2862 Refractories	14	880	76	956	26.6	136.6
	2863 Tiles and pipes	17	472	85	557	n.p.	n.p.
	2864 Other ceramics	70	549	166	715	14.4	56.6
286	Total	144	3,729	483	4,212	104.2	430.2
Cement and Concrete							
	2871 Cement	9	785	56	841	n.p.	n.p.
	2872 Ready mixed	315	1,237	174	1,411	33.6	452.3
	2873 Pipes	16	426	32	458	n.p.	n.p.
	2874 Other	139	2,157	247	2,404	55.5	266.6
287	Total	479	4,605	509	5,114	126.0	1,032.3
Minerals							
	2881 Plaster	10	n.p.	n.p.	n.p.	n.p.	n.p.
	2882 Stone	70	424	70	494	9.6	43.7
	2883 Mineral wool	12	n.p.	n.p.	n.p.	n.p.	n.p.
	2884 Other	30	488	89	577	16.3	66.0
288	Total	122	1,481	244	1,725	n.p.	n.p.
28	NON - METALLIC MINERALS	799	12,169	1,679	13,848	352.9	2,023.9

For footnotes, see end of table.

TABLE 2.1 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS
BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
BASIC METALS							
Iron and Steel							
2941	Basic products	40	21,899	1,446	23,345	699.7	3,763.1
2942	Iron casting	22	1,025	72	1,097	n.p.	n.p.
2943	Steel casting	15	498	51	549	n.p.	n.p.
2944	Forging	17	460	19	479	9.9	54.4
2945	Steel pipes	27	1,516	157	1,673	n.p.	n.p.
294	Total	121	25,398	1,745	27,143	802.3	4,281.7
Non - Ferrous Metals							
2951	Copper smelting	2	n.p.	n.p.	n.p.	n.p.	n.p.
2952	Silver, lead, zinc smelting	3	n.p.	n.p.	n.p.	n.p.	n.p.
2953	Alumina	-	-	-	-	-	-
2954	Aluminium smelting	3	n.p.	n.p.	n.p.	n.p.	n.p.
2955	Nickel smelting	-	-	-	-	-	-
2956	Other metals smelting	3	n.p.	n.p.	n.p.	n.p.	n.p.
2957	Secondary recovery	19	380	37	417	n.p.	n.p.
295	Total	30	3,163	224	3,387	100.9	1,252.8
Non - Ferrous Metal Basic Products							
2961	Aluminium extrusions	16	2,689	301	2,990	85.8	740.4
2962	Other extrusions	17	1,839	159	1,998	n.p.	n.p.
2963	Castings	44	819	269	1,088	n.p.	n.p.
296	Total	77	5,347	729	6,076	161.4	1,311.7
29	BASIC METALS	228	33,908	2,698	36,606	1,064.6	6,846.2
FABRICATED METALS							
Structural							
3141	Steel	377	5,628	682	6,310	146.7	819.8
3142	Aluminium	274	3,554	755	4,309	89.0	421.7
3143	Other architectural	159	1,259	271	1,530	29.1	142.6
314	Total	810	10,441	1,708	12,149	264.7	1,384.1
Sheet Metal							
3151	Containers	33	1,743	459	2,202	n.p.	n.p.
3152	Furniture	50	1,091	204	1,295	n.p.	n.p.
3153	Other	445	4,682	1,048	5,730	117.4	479.4
315	Total	528	7,516	1,711	9,227	203.2	929.2
Other							
3161	Hand tools	46	394	224	618	12.7	46.6
3162	Wire	99	1,949	436	2,385	53.7	312.0
3163	Nuts and bolts	39	613	156	769	18.1	66.3
3164	Coating and finishing	213	1,842	420	2,262	46.9	172.4
3165	Fittings	25	862	471	1,333	27.8	89.1
3166	Boilers	64	822	99	921	21.0	74.3
3167	Awnings	54	452	307	759	18.3	102.7
3168	Other	911	6,041	1,605	7,646	154.0	553.1
316	Total	1,451	12,975	3,718	16,693	352.5	1,416.5
31	FABRICATED METALS	2,789	30,932	7,137	38,069	820.4	3,729.8

For footnotes, see end of table.

TABLE 2.1 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS
BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
TRANSPORT EQUIPMENT							
Motor Vehicles							
3231	Vehicles	17	n.p.	n.p.	n.p.	n.p.	n.p.
3232	Bodies	125	1,725	201	1,926	40.6	155.0
3233	Instruments	16	n.p.	n.p.	n.p.	n.p.	n.p.
3234	Parts	208	4,985	933	5,918	136.9	506.1
323	Total	366	8,092	1,449	9,541	212.9	1,080.5
Other Transport							
3241	Ships	31	4,968	266	5,234	134.3	266.4
3242	Boats	199	874	152	1,026	15.1	65.9
3243	Rolling stock	27	6,996	200	7,196	164.2	473.1
3244	Aircraft	64	5,161	619	5,780	n.p.	n.p.
3245	Other	17	110	45	155	n.p.	n.p.
324	Total	338	18,109	1,282	19,391	475.6	1,214.7
32	TRANSPORT EQUIPMENT	704	26,201	2,731	28,932	688.5	2,295.2
OTHER EQUIPMENT							
Photographic and Scientific							
3341	Photographic and optical	18	193	42	235	6.0	46.9
3342	Film processing	314	797	1,289	2,086	37.8	156.6
3343	Other	84	1,090	793	1,883	42.1	124.6
334	Total	416	2,080	2,124	4,204	85.9	328.2
Appliances and Electrical Equipment							
3351	Audio and T.V.	37	1,265	1,055	2,320	49.1	263.2
3352	Electronic	212	5,863	3,022	8,885	215.8	748.3
3353	Household	81	4,993	1,240	6,233	136.9	610.4
3354	Water heating	13	777	120	897	n.p.	n.p.
3355	Electrical cables	17	1,679	473	2,152	n.p.	n.p.
3356	Batteries	16	631	288	919	n.p.	n.p.
3357	Other	332	7,652	3,749	11,401	245.7	1,016.7
335	Total	708	22,860	9,947	32,807	742.2	3,310.0
Industrial Machinery							
3361	Agricultural	76	747	143	890	17.1	70.0
3362	Construction	20	217	41	258	n.p.	n.p.
3363	Materials handling	82	1,800	314	2,114	51.5	218.8
3364	Wood and metal working	64	877	127	1,004	22.9	69.6
3365	Pumps and compressors	46	1,230	202	1,432	35.8	140.0
3366	Heating and cooling	35	1,429	235	1,664	n.p.	n.p.
3367	Machine accessories	201	1,248	242	1,490	31.3	89.1
3368	Food processing	35	685	90	775	17.5	89.0
3369	Other	642	9,670	1,672	11,342	265.6	1,031.2
336	Total	1,201	17,903	3,066	20,969	486.7	1,926.7
33	OTHER EQUIPMENT	2,325	42,843	15,137	57,980	1,314.8	5,564.8

For footnotes, see end of table.

TABLE 2.1 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS
BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
MISCELLANEOUS MANUFACTURING							
Leather and Leather Substitutes							
3451	Tanning	37	645	141	786	17.9	192.7
3452	Other	102	337	510	847	12.9	53.5
345	Total	139	982	651	1,633	30.8	246.2
Rubber							
3461	Tyres, tubes and sheets	45	1,259	112	1,371	36.2	190.6
3462	Other	39	878	266	1,144	23.8	82.2
346	Total	84	2,137	378	2,515	60.0	272.8
Plastic Products							
3471	Packaging and abrasive papers	54	2,422	753	3,175	n.p.	n.p.
3472	Rigid sheeting	3	262	63	325	n.p.	n.p.
3473	Floor coverings						
3474	Other	434	6,814	4,016	10,830	233.9	1,161.8
347	Total	491	9,498	4,832	14,330	332.6	1,689.7
Other							
3481	Ophthalmic	19	270	293	563	n.p.	n.p.
3482	Jewellery and silver	204	649	422	1,071	16.5	79.9
3483	Brooms	15	159	162	321	n.p.	n.p.
3484	Advertising displays	327	1,145	488	1,633	28.2	96.9
3485	Sporting	105	525	229	754	12.9	88.8
3486	Writing	26	202	214	416	7.7	38.7
3487	Other	125	658	484	1,142	22.6	103.9
348	Total	821	3,608	2,292	5,900	106.1	486.3
34	MISCELLANEOUS	1,535	16,225	8,153	24,378	529.6	2,695.1
21 - 34 TOTAL MANUFACTURING		15,906	275,737	103,265	379,002	8,845.4	46,957.2

(a) Includes working proprietors. (b) Excludes the drawings of working proprietors.

TABLE 2.2 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS: SUMMARY OF OPERATIONS BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
FOOD, BEVERAGES AND TOBACCO							
Meat Products							
2115	Meat	89	6,719	896	7,615	171.2	966.1
2116	Poultry	39	1,777	2,048	3,825	72.2	479.6
2117	Smallgoods	38	1,179	500	1,679	36.6	242.3
211	Total	166	9,675	3,444	13,119	279.9	1,687.9
Milk Products							
2121	Milk	38	1,957	356	2,313	54.9	514.2
2122	Butter	2	n.p.	n.p.	n.p.	n.p.	n.p.
2123	Cheese	16	295	156	451	8.6	108.6
2124	Ice cream	13	538	380	918	19.9	126.3
2125	Other	2	n.p.	n.p.	n.p.	n.p.	n.p.
212	Total	71	3,258	1,134	4,392	104.0	807.9
Fruit and Vegetables							
2131	Fruit	37	590	235	825	20.1	174.8
2132	Vegetables	18	859	511	1,370	35.1	149.9
213	Total	55	1,449	746	2,195	55.2	324.6
214	Margarine, Oils	9	845	224	1,069	32.4	291.4
Cereal Products							
2151	Flour	18	665	91	756	19.1	261.6
2152	Starch	6	482	43	525	15.4	151.2
2153	Cereals	33	2,127	774	2,901	71.1	532.7
215	Total	57	3,274	908	4,182	105.6	945.6
Bread, etc.							
2161	Bread	330	3,832	2,576	6,408	103.3	422.0
2162	Cakes and pastries	93	1,435	1,199	2,634	45.8	216.1
2163	Biscuits	14	1,168	927	2,095	49.5	175.1
216	Total	437	6,455	4,702	11,157	198.6	813.2
Other Food Products							
2171	Sugar	3	n.p.	n.p.	n.p.	n.p.	n.p.
2173	Confectionery	34	n.p.	n.p.	n.p.	n.p.	n.p.
2174	Seafoods	12	312	486	798	12.0	120.3
2175	Animal foods	41	961	303	1,264	28.5	422.9
2176	Other	92	3,576	2,004	5,580	145.6	796.3
217	Total	182	6,208	3,903	10,111	248.5	1,658.2
Beverages							
2185	Soft drinks	34	1,219	420	1,639	40.6	474.9
2186	Beer	3	n.p.	n.p.	n.p.	n.p.	n.p.
2187	Malt	2	n.p.	n.p.	n.p.	n.p.	n.p.
2188	Wine and brandy	39	722	455	1,177	22.8	198.8
2189	Other alcohol	3	n.p.	n.p.	n.p.	n.p.	n.p.
218	Total Beverages	81	n.p.	n.p.	n.p.	n.p.	n.p.
219	Tobacco	2	n.p.	n.p.	n.p.	n.p.	n.p.
21	FOOD, BEVERAGES AND TOBACCO	1,060	36,224	17,109	53,333	1,232.9	8,090.5

For footnotes, see end of table.

TABLE 2.2 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS: SUMMARY OF OPERATIONS BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
TEXTILES							
Yarns and Fabrics							
2341	Cotton spinning	11	n.p.	n.p.	n.p.	n.p.	n.p.
2342	Wool scouring	7	416	70	486	9.9	169.2
2343	Man made fibres	5	n.p.	n.p.	n.p.	n.p.	n.p.
2344	Man made fabric	18	650	311	961	n.p.	n.p.
2345	Cotton fabric	11	704	450	1,154	27.5	127.6
2346	Worsted	3	n.p.	n.p.	n.p.	n.p.	n.p.
2347	Woollens	4	104	81	185	n.p.	n.p.
2348	Elastic textiles	9	116	129	245	5.3	34.6
2349	Textile finishing	20	449	118	567	n.p.	n.p.
234	Total	88	3,361	1,700	5,061	113.1	607.5
Other Textiles							
2351	Household	29	115	295	410	60.2	43.6
2352	Floor coverings	10	406	139	545	12.1	94.9
2353	Felt	4	n.p.	n.p.	n.p.	n.p.	n.p.
2354	Canvas	86	632	445	1,077	19.3	79.1
2355	Rope	2	n.p.	n.p.	n.p.	n.p.	n.p.
2356	Other	36	860	909	1,769	46.8	273.5
235	Total	167	2,333	1,954	4,287	96.4	547.3
23	TEXTILES	255	5,694	3,654	9,348	209.6	1,154.8
CLOTHING AND FOOTWEAR							
Knitting Mills							
2441	Hosiery	3	n.p.	n.p.	n.p.	n.p.	n.p.
2442	Pullovers	20	n.p.	n.p.	n.p.	n.p.	n.p.
2443	Other	25	525	1,093	1,618	31.5	170.7
244	Total	48	862	1,979	2,841	53.4	258.7
Clothing							
2451	Men's trousers	34	256	1,474	1,730	25.9	132.4
2452	Men's suits	25	158	694	852	12.7	41.9
2453	Women's outerwear	469	1,541	5,874	7,415	105.4	644.5
2454	Foundation wear	8	96	1,011	1,107	17.7	60.0
2455	Underwear and infants' wear	72	673	3,448	4,121	66.7	206.0
2456	Other	149	670	1,439	2,109	34.0	146.9
245	Total	757	3,394	13,940	17,334	262.5	1,231.6
246	Footwear	60	1,188	1,591	2,779	48.9	161.4
24	CLOTHING AND FOOTWEAR	865	5,444	17,510	22,954	364.7	1,651.8

For footnotes, see end of table.

TABLE 2.2 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS: SUMMARY OF OPERATIONS BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
WOOD AND FURNITURE							
Wood							
2531	Sawmilling	180	2,618	230	2,848	47.4	241.1
2532	Timber	49	1,375	138	1,513	29.1	179.2
2533	Veneers	23	1,470	225	1,695	41.7	262.5
2534	Doors	12	417	95	512	11.1	71.2
2535	Fittings and joinery	495	5,887	1,050	6,937	131.6	584.2
2536	Containers	33	453	71	524	9.3	40.4
2537	Woodchips	2	n.p.	n.p.	n.p.	n.p.	n.p.
2538	Other	102	n.p.	n.p.	n.p.	n.p.	n.p.
253	Total	896	13,007	2,069	15,076	287.8	1,481.4
Furniture							
2541	Furniture	492	7,144	1,864	9,008	177.8	714.1
2542	Mattresses	21	605	373	978	18.9	128.3
254	Total	513	7,749	2,237	9,986	196.7	842.5
25	WOOD AND FURNITURE	1,409	20,756	4,306	25,062	484.5	2,323.9
PAPER, PRINTING AND PUBLISHING							
Paper							
2631	Pulp and paper	11	1,434	176	1,610	51.1	402.8
2632	Paper bags	9	163	116	279	6.8	35.1
2633	Solid containers	16	1,008	211	1,219	33.0	179.9
2634	Corrugated containers	17	1,537	276	1,813	47.9	312.2
2635	Other	32	719	384	1,103	25.7	211.6
263	Total	85	4,861	1,163	6,024	164.6	1,141.6
Printing and Publishing							
2641	Publishing	206	2,091	3,031	5,122	118.9	719.8
2642	Printing and publishing	81	5,895	3,283	9,178	271.8	926.9
2643	Stationery	58	1,831	1,058	2,889	75.7	331.8
2644	Printing and bookbinding	735	9,119	4,577	13,696	305.9	1,258.0
2645	Services	162	1,937	687	2,624	69.3	200.2
264	Total	1,242	20,873	12,636	33,509	841.5	3,436.8
26	PAPER, PRINTING AND PUBLISHING	1,327	25,734	13,799	39,533	1,006.1	4,578.4

For footnotes, see end of table.

TABLE 2.2 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS: SUMMARY OF OPERATIONS BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
CHEMICALS, PETROLEUM AND COAL							
Basic Chemicals							
2751	Fertilisers	5	586	49	635	n.p.	n.p.
2752	Gases	14	289	62	351	n.p.	n.p.
2753	Resins and rubber (synthetic)	19	1,165	184	1,349	48.5	581.5
2754	Organic chemicals	17	1,086	136	1,222	42.6	544.9
2755	Inorganic chemicals	29	963	309	1,272	38.0	321.3
275	Total	84	4,089	740	4,829	160.8	1,713.9
Other Chemicals							
2761	Explosives	11	693	274	967	32.0	118.4
2762	Paints	53	2,229	562	2,791	79.7	495.4
2763	Pharmaceuticals	74	3,178	2,985	6,163	176.7	1,122.9
2764	Pesticides	15	603	361	964	26.5	411.1
2765	Soaps	66	2,123	1,090	3,213	80.7	709.6
2766	Cosmetics	29	912	1,297	2,209	68.2	434.5
2767	Inks	11	333	71	404	10.4	94.3
2768	Other	48	908	359	1,267	35.9	298.6
276	Total	307	10,979	6,999	17,978	510.0	3,684.9
277	Petroleum refining	3	1,390	56	1,446	59.9	243.5
278	Petroleum and coal products	13	272	52	324	9.5	122.7
27	CHEMICALS, PETROLEUM AND COAL	407	16,730	7,847	24,577	740.2	5,765.0
NON - METALLIC MINERALS							
285	Glass	31	2,323	431	2,754	n.p.	n.p.
Clay							
2861	Bricks	40	1,824	155	1,979	51.3	192.8
2862	Refractories	14	880	76	956	26.6	136.6
2863	Tiles and pipes	11	467	78	545	11.8	43.9
2864	Other ceramics	26	507	133	640	14.1	54.7
286	Total	91	3,678	442	4,120	103.8	427.9
Cement and Concrete							
2871	Cement	9	785	56	841	n.p.	n.p.
2872	Ready mixed	290	1,194	166	1,360	33.0	446.5
2873	Pipes	16	426	32	458	n.p.	n.p.
2874	Other	93	2,081	230	2,311	54.8	260.3
287	Total	408	4,486	484	4,970	124.6	1,020.2
Minerals							
2881	Plaster	6	n.p.	n.p.	n.p.	n.p.	n.p.
2882	Stone	31	362	48	410	8.8	39.7
2883	Mineral wool	7	n.p.	n.p.	n.p.	n.p.	n.p.
2884	Other	26	477	89	566	16.2	65.0
288	Total	70	1,395	216	1,611	n.p.	n.p.
28	NON - METALLIC MINERALS	600	11,882	1,573	13,455	349.7	2,002.2

For footnotes, see end of table.

TABLE 2.2 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS: SUMMARY OF OPERATIONS BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
BASIC METALS							
Iron and Steel							
2941	Basic products	35	21,892	1,444	23,336	699.6	3,762.3
2942	Iron casting	20	1,023	70	1,093	29.2	98.0
2943	Steel casting	11	492	49	541	15.5	53.3
2944	Forging	9	448	18	466	9.8	53.8
2945	Steel pipes	22	1,508	156	1,664	47.6	311.6
294	Total	97	25,363	1,737	27,100	801.7	4,279.0
Non - Ferrous Metals							
2951	Copper smelting	1	n.p.	n.p.	n.p.	n.p.	n.p.
2952	Silver, lead, zinc smelting	2	n.p.	n.p.	n.p.	n.p.	n.p.
2953	Alumina	-	-	-	-	-	-
2954	Aluminium smelting	2	n.p.	n.p.	n.p.	n.p.	n.p.
2955	Nickel smelting	-	-	-	-	-	-
2956	Other metals smelting	1	n.p.	n.p.	n.p.	n.p.	n.p.
2957	Secondary recovery	15	375	34	409	n.p.	n.p.
295	Total	21	3,150	219	3,369	100.8	1,252.1
Non - Ferrous Metal Basic Products							
2961	Aluminium extrusions	16	2,689	301	2,990	85.8	740.4
2962	Other extrusions	15	1,838	158	1,996	53.5	482.4
2963	Castings	40	814	267	1,081	22.0	88.4
296	Total	71	5,341	726	6,067	161.3	1,311.1
29	BASIC METALS	189	33,854	2,682	36,536	1,063.8	6,842.2
FABRICATED METALS							
Structural							
3141	Steel	288	5,486	636	6,122	144.9	804.5
3142	Aluminium	201	3,447	721	4,168	87.9	413.1
3143	Other architectural	94	1,158	236	1,394	28.3	135.6
314	Total	583	10,091	1,593	11,684	261.1	1,353.1
Sheet Metal							
3151	Containers	30	1,738	457	2,195	57.8	327.1
3152	Furniture	40	1,076	200	1,276	27.9	121.0
3153	Other	315	4,481	984	5,465	114.1	463.4
315	Total	385	7,295	1,641	8,936	199.7	911.5
Other							
3161	Hand tools	29	371	215	586	12.4	45.1
3162	Wire	79	1,918	426	2,344	53.1	308.8
3163	Nuts and bolts	32	602	154	756	17.9	65.6
3164	Coating and finishing	144	1,762	383	2,145	45.9	167.4
3165	Fittings	22	858	468	1,326	27.7	88.8
3166	Boilers	47	802	91	893	20.8	73.4
3167	Awnings	37	430	295	725	18.0	100.5
3168	Other	462	5,429	1,364	6,793	147.5	515.5
316	Total	852	12,172	3,396	15,568	343.4	1,365.1
31	FABRICATED METALS	1,820	29,558	6,630	36,188	804.2	3,629.8

For footnotes, see end of table.

TABLE 2.2 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS: SUMMARY OF OPERATIONS BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
TRANSPORT EQUIPMENT							
Motor Vehicles							
3231	Vehicles	13	n.p.	n.p.	n.p.	n.p.	n.p.
3232	Bodies	94	1,675	189	1,864	40.0	151.6
3233	Instruments	11	n.p.	n.p.	n.p.	n.p.	n.p.
3234	Parts	155	4,898	906	5,804	135.8	500.5
323	Total	273	7,942	1,405	9,347	211.2	1,070.7
Other Transport							
3241	Ships	20	4,953	266	5,219	134.0	265.5
3242	Boats	89	709	110	819	13.3	56.6
3243	Rolling stock	27	6,996	200	7,196	164.2	473.1
3244	Aircraft	39	5,119	609	5,728	n.p.	n.p.
3245	Other	10	99	39	138	n.p.	n.p.
324	Total	185	17,876	1,224	19,100	472.9	1,201.9
32	TRANSPORT EQUIPMENT	458	25,818	2,629	28,447	684.1	2,272.6
OTHER EQUIPMENT							
Photographic and Scientific							
3341	Photographic and optical	10	179	38	217	5.7	46.2
3342	Film processing	239	729	1,210	1,939	36.3	148.5
3343	Other	53	1,047	771	1,818	41.4	121.6
334	Total	302	1,955	2,019	3,974	83.4	316.3
Appliances and Electrical Equipment							
3351	Audio and T.V.	26	1,254	1,050	2,304	49.0	262.6
3352	Electronic	146	5,779	2,982	8,761	214.4	741.9
3353	Household	62	4,962	1,233	6,195	136.5	608.3
3354	Water heating	9	770	118	888	n.p.	n.p.
3355	Electrical cables	15	1,677	471	2,148	50.7	421.3
3356	Batteries	9	621	284	905	n.p.	n.p.
3357	Other	248	7,546	3,695	11,241	244.2	1,010.2
335	Total	515	22,609	9,833	32,442	738.6	3,292.6
Industrial Machinery							
3361	Agricultural	49	710	133	843	16.7	67.0
3362	Construction	15	207	38	245	5.7	32.0
3363	Materials handling	65	1,772	306	2,078	50.9	216.4
3364	Wood and metal working	34	837	113	950	22.3	66.4
3365	Pumps and compressors	35	1,213	193	1,406	35.3	137.8
3366	Heating and cooling	30	1,423	232	1,655	39.0	185.1
3367	Machine accessories	122	1,130	209	1,339	29.6	82.3
3368	Food processing	28	674	85	759	17.1	87.7
3369	Other	434	9,375	1,560	10,935	260.8	1,006.6
336	Total	812	17,341	2,869	20,210	477.6	1,881.5
33	OTHER EQUIPMENT	1,629	41,905	14,721	56,626	1,299.5	5,490.4

For footnotes, see end of table.

TABLE 2.2 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS: SUMMARY OF OPERATIONS BY INDUSTRY CLASS, NEW SOUTH WALES, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
MISCELLANEOUS MANUFACTURING							
Leather and Leather Substitutes							
3451	Tanning	28	636	134	770	17.8	190.6
3452	Other	56	287	483	770	12.5	50.4
345	Total	84	923	617	1,540	30.3	341.0
Rubber							
3461	Tyres, tubes and sheets	40	1,247	111	1,358	36.1	189.2
3462	Other	36	873	265	1,138	23.7	81.8
346	Total	76	2,120	376	2,496	59.8	271.0
Plastic Products							
3471	Packaging and abrasive papers	49	2,414	748	3,162	n.p.	n.p.
3472	Rigid sheeting	3	262	63	325	n.p.	n.p.
3473	Floor coverings						
3474	Other	329	6,675	3,952	10,627	232.4	1,151.4
347	Total	381	9,351	4,763	14,114	330.9	1,678.4
Other							
3481	Ophthalmic	16	266	290	556	11.3	35.2
3482	Jewellery and silver	80	498	358	856	14.8	69.2
3483	Brooms	11	151	160	311	6.8	42.3
3484	Advertising displays	120	877	358	1,235	25.1	83.0
3485	Sporting	53	454	209	663	12.2	84.7
3486	Writing	13	189	204	393	7.6	37.4
3487	Other	66	587	443	1,030	21.8	99.8
348	Total	359	3,022	2,022	5,044	99.6	451.7
34	MISCELLANEOUS	900	15,416	7,778	23,194	520.6	2,642.0
21 - 34 TOTAL MANUFACTURING		10,919	269,015	100,238	369,253	8,759.8	46,443.4

(a) Includes working proprietors. (b) Excludes the drawings of working proprietors.

TABLE 2.3 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS AND OPERATING AT END OF JUNE 1988 (a): SELECTED DATA ITEMS BY EMPLOYMENT SIZE AND INDUSTRY GROUP, NEW SOUTH WALES

Industry Group Employment size group	Establish- ments at end of June (no.)	Employment at end of June (b)			Wages and salaries (c) (\$m)	Turnover (\$m)
		Males (no.)	Females (no.)	Persons (no.)		
211 Meat and Poultry						
4 - 19 persons	85	587	153	740	13.8	111.1
20 - 49 persons	32	769	239	1,008	17.8	155.9
50 - 99 persons	14	792	294	1,086	21.8	213.2
100 or more persons	35	7,444	2,732	10,176	212.7	1,175.7
Total	166	9,592	3,418	13,010	266.1	1,655.8
212 Milk products						
4 - 19 persons	30	235	80	315	6.2	58.8
20 - 49 persons	22	633	133	766	15.5	157.4
50 - 99 persons	10	555	143	698	14.7	133.4
100 or more persons	9	1,298	431	1,729	43.7	437.0
Total	71	2,721	787	3,508	80.1	786.5
213 Fruit and Vegetables						
4 - 19 persons	32	n.p.	n.p.	n.p.	n.p.	n.p.
20 - 49 persons	13	264	135	399	9.1	77.0
50 - 99 persons	3	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	7	806	358	1,164	32.5	159.0
Total	55	1,378	674	2,052	51.2	318.5
214 Margarine and oils						
4 - 19 persons	3	n.p.	n.p.	n.p.	n.p.	n.p.
20 - 49 persons	1	n.p.	n.p.	n.p.	n.p.	n.p.
50 - 99 persons	3	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	2	n.p.	n.p.	n.p.	n.p.	n.p.
Total	9	845	224	1,069	32.4	291.4
215 Cereal products						
4 - 19 persons	20	121	67	188	2.5	15.5
20 - 49 persons	16	425	127	552	13.0	155.4
50 - 99 persons	12	697	90	787	22.0	276.3
100 or more persons	9	1,869	486	2,355	61.5	497.4
Total	57	3,112	770	3,882	99.1	944.5
216 Breads and cakes						
4 - 19 persons	363	1,434	1,391	2,825	29.8	120.7
20 - 49 persons	36	634	485	1,119	14.5	66.3
50 - 99 persons	10	425	244	669	11.9	58.1
100 or more persons	28	3,900	2,547	6,447	138.9	567.7
Total	437	6,393	4,667	11,060	195.2	812.8
217 Other foods						
4 - 19 persons	110	585	346	931	15.7	146.4
20 - 49 persons	30	598	423	1,021	20.9	269.4
50 - 99 persons	17	871	330	1,201	27.6	309.6
100 or more persons	25	3,914	2,638	6,552	171.1	931.1
Total	182	5,968	3,737	9,705	235.2	1,655.5
218 Beverages						
4 - 19 persons	50	298	139	437	7.3	91.5
20 - 49 persons	12	n.p.	n.p.	n.p.	n.p.	n.p.
50 - 99 persons	8	321	183	504	10.1	106.8
100 or more persons	11	2,456	539	2,995	92.3	863.9
Total	81	n.p.	n.p.	n.p.	n.p.	n.p.
219 Tobacco						
4 - 19 persons	-	-	-	-	-	-
20 - 49 persons	-	-	-	-	-	-
50 - 99 persons	-	-	-	-	-	-
100 or more persons	2	n.p.	n.p.	n.p.	n.p.	n.p.
Total	2	n.p.	n.p.	n.p.	n.p.	n.p.

For footnotes, see end of table

TABLE 2.3 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS AND OPERATING AT END OF JUNE 1988 (a): SELECTED DATA ITEMS BY EMPLOYMENT SIZE AND INDUSTRY GROUP, NEW SOUTH WALES (continued)

Industry Group Employment size group	Establish- ments at end of June (no.)	Employment at end of June (b)			Wages and salaries (c) (\$m)	Turnover (\$m)
		Males (no.)	Females (no.)	Persons (no.)		
21 Food, beverages and tobacco						
4 - 19 persons	693	3,452	2,270	5,722	80.2	592.3
20 - 49 persons	162	3,611	1,665	5,276	99.4	967.3
50 - 99 persons	77	3,958	1,414	5,372	120.3	1,214.0
100 or more persons	128	23,821	10,889	34,710	851.4	5,244.4
Total	1,060	34,842	16,238	51,080	1,151.3	8,017.9
234 Yarns and woven fabric						
4 - 19 persons	33	165	112	277	5.1	24.2
20 - 49 persons	27	529	264	793	15.6	74.7
50 - 99 persons	12	593	274	867	17.7	168.9
100 or more persons	16	1,865	937	2,802	64.5	324.1
Total	88	3,152	1,587	4,739	102.8	591.9
235 Other textiles						
4 - 19 persons	126	553	468	1,021	16.0	72.0
20 - 49 persons	26	407	441	848	15.9	84.5
50 - 99 persons	6	208	222	430	8.8	76.0
100 or more persons	9	969	621	1,590	41.5	314.7
Total	167	2,137	1,752	3,889	82.2	547.2
23 Textiles						
4 - 19 persons	159	718	580	1,298	21.0	96.2
20 - 49 persons	53	936	705	1,641	31.5	159.3
50 - 99 persons	18	801	496	1,297	26.5	244.8
100 or more persons	25	2,834	1,558	4,392	106.0	638.8
Total	255	5,289	3,339	8,628	185.0	1,139.1
244 Knitting mills						
4 - 19 persons	21	73	136	209	3.3	17.2
20 - 49 persons	15	159	290	449	7.6	30.7
50 - 99 persons	4	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	8	n.p.	n.p.	n.p.	n.p.	n.p.
Total	48	857	1,971	2,828	51.7	253.3
245 Clothing						
4 - 19 persons	576	1,347	3,828	5,175	72.0	408.6
20 - 49 persons	112	672	2,772	3,444	48.8	292.2
50 - 99 persons	36	467	2,060	2,527	39.3	169.0
100 or more persons	33	720	5,171	5,891	90.9	352.6
Total	757	3,206	13,831	17,037	251.2	1,222.5
246 Footwear						
4 - 19 persons	30	143	106	249	3.6	11.1
20 - 49 persons	16	236	320	556	9.2	31.2
50 - 99 persons	9	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	5	n.p.	n.p.	n.p.	n.p.	n.p.
Total	60	1,188	1,591	2,779	48.2	160.5
24 Clothing and footwear						
4 - 19 persons	627	1,563	4,070	5,633	78.9	437.0
20 - 49 persons	143	1,067	3,382	4,449	65.7	354.1
50 - 99 persons	49	884	2,516	3,400	56.7	250.3
100 or more persons	46	1,737	7,425	9,162	149.7	594.9
Total	865	5,251	17,395	22,644	351.0	1,636.3
253 Wood						
4 - 19 persons	712	4,920	916	5,836	95.9	430.0
20 - 49 persons	133	3,623	405	4,028	77.3	365.1
50 - 99 persons	28	1,523	292	1,815	34.0	171.6
100 or more persons	23	2,916	445	3,361	77.1	506.7
Total	896	12,982	2,058	15,040	284.3	1,473.4

For footnotes, see end of table

TABLE 2.3 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS AND OPERATING AT END OF JUNE 1988 (a): SELECTED DATA ITEMS BY EMPLOYMENT SIZE AND INDUSTRY GROUP, NEW SOUTH WALES (continued)

Industry Group Employment size group	Establish- ments at end of June (no.)	Employment at end of June (b)			Wages and salaries (c) (\$m)	Turnover (\$m)
		Males (no.)	Females (no.)	Persons (no.)		
254 Furniture						
4 - 19 persons	400	2,420	687	3,107	49.2	210.9
20 - 49 persons	70	1,646	482	2,128	40.7	185.7
50 - 99 persons	27	1,518	383	1,901	36.5	164.3
100 or more persons	16	2,168	685	2,850	68.1	268.3
Total	513	7,749	2,237	9,986	194.5	829.2
25 Wood and furniture						
4 - 19 persons	1,112	7,340	1,603	8,943	145.1	640.8
20 - 49 persons	203	5,269	887	6,156	117.9	550.9
50 - 99 persons	55	3,041	675	3,716	70.5	335.9
100 or more persons	39	5,081	1,130	6,211	145.2	774.9
Total	1,409	20,731	4,295	25,026	478.8	2,302.5
263 Paper						
4 - 19 persons	39	260	90	350	7.1	42.8
20 - 49 persons	16	290	165	455	10.6	57.4
50 - 99 persons	11	629	174	803	18.9	137.6
100 or more persons	19	3,565	660	4,225	119.8	902.6
Total	85	4,744	1,089	5,833	156.4	1,140.5
264 Printing and publishing						
4 - 19 persons	958	4,540	3,218	7,758	150.6	583.7
20 - 49 persons	164	3,199	1,749	4,948	110.0	448.3
50 - 99 persons	69	2,849	1,795	4,644	115.3	501.9
100 or more persons	51	10,180	5,823	16,003	458.9	1,900.6
Total	1,242	20,768	12,585	33,353	834.8	3,434.4
26 Paper, printing and publishing						
4 - 19 persons	997	4,800	3,308	8,108	157.7	626.5
20 - 49 persons	180	3,489	1,914	5,403	120.5	505.7
50 - 99 persons	80	3,478	1,969	5,447	134.2	639.5
100 or more persons	70	13,745	6,483	20,228	578.8	2,803.2
Total	1,327	25,512	13,674	39,186	991.2	4,575.0
275 Basic chemicals						
4 - 19 persons	35	207	57	264	6.5	81.8
20 - 49 persons	20	n.p.	n.p.	n.p.	n.p.	n.p.
50 - 99 persons	15	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	14	2,241	341	2,582	86.9	878.2
Total	84	3,979	677	4,656	154.6	1,713.9
276 Other chemicals						
4 - 19 persons	157	921	461	1,382	30.7	271.3
20 - 49 persons	66	1,342	782	2,124	51.5	429.9
50 - 99 persons	29	1,351	744	2,095	53.9	576.2
100 or more persons	55	7,019	4,879	11,898	343.9	2,335.6
Total	307	10,633	6,866	17,499	479.9	3,613.0
277 Petroleum refining						
4 - 19 persons	-	-	-	-	-	-
20 - 49 persons	-	-	-	-	-	-
50 - 99 persons	-	-	-	-	-	-
100 or more persons	3	1,390	56	1,446	59.9	243.5
Total	3	1,390	56	1,446	59.9	243.5
278 Petroleum and coal n.e.c.						
4 - 19 persons	9	71	20	91	2.2	18.8
20 - 49 persons	1	n.p.	n.p.	n.p.	n.p.	n.p.
50 - 99 persons	3	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	-	-	-	-	-	-
Total	13	272	52	324	9.5	122.7

For footnotes, see end of table

TABLE 2.3 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS AND OPERATING AT END OF JUNE 1988 (a): SELECTED DATA ITEMS BY EMPLOYMENT SIZE AND INDUSTRY GROUP, NEW SOUTH WALES (continued)

Industry Group Employment size group	Establish- ments at end of June (no.)	Employment at end of June (b)			Wages and salaries (c) (\$m)	Turnover (\$m)
		Males (no.)	Females (no.)	Persons (no.)		
27 Chemical, petroleum and coal						
4 - 19 persons	201	1,199	538	1,737	39.4	372.0
20 - 49 persons	87	1,963	885	2,848	75.6	653.5
50 - 99 persons	47	2,462	952	3,414	98.2	1,210.4
100 or more persons	72	10,650	5,276	15,926	490.8	3,457.3
Total	407	16,274	7,651	23,925	704.0	5,693.1
285 Glass						
4 - 19 persons	19	109	40	149	2.0	11.2
20 - 49 persons	3	n.p.	n.p.	n.p.	n.p.	n.p.
50 - 99 persons	1	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	8	n.p.	n.p.	n.p.	n.p.	n.p.
Total	31	2,281	402	2,685	n.p.	n.p.
286 Clay						
4 - 19 persons	45	242	83	325	6.2	22.3
20 - 49 persons	22	674	53	727	17.8	89.4
50 - 99 persons	12	817	58	875	21.7	88.5
100 or more persons	12	1,897	222	2,119	56.1	227.7
Total	91	3,630	416	4,046	101.8	427.9
287 Cement and concrete						
4 - 19 persons	371	1,609	171	1,780	38.6	501.2
20 - 49 persons	25	660	55	715	18.0	130.1
50 - 99 persons	7	464	43	507	13.8	155.4
100 or more persons	5	1,327	80	1,407	39.9	231.1
Total	408	4,060	349	4,409	110.3	1,017.9
288 Other non-metallic minerals						
4 - 19 persons	54	356	76	432	8.1	46.1
20 - 49 persons	9	n.p.	n.p.	n.p.	n.p.	n.p.
50 - 99 persons	4	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	3	n.p.	n.p.	n.p.	n.p.	n.p.
Total	70	1,242	180	1,422	n.p.	n.p.
28 Non-metallic minerals						
4 - 19 persons	489	2,316	370	2,686	54.9	580.8
20 - 49 persons	59	1,603	172	1,775	43.8	268.9
50 - 99 persons	24	1,612	128	1,740	45.9	311.7
100 or more persons	28	5,682	677	6,359	179.1	838.5
Total	600	11,213	1,347	12,560	323.7	1,999.9
294 Iron and steel						
4 - 19 persons	49	416	63	479	9.9	76.9
20 - 49 persons	19	545	53	598	14.1	87.2
50 - 99 persons	9	509	45	554	14.6	76.2
100 or more persons	20	23,186	1,314	24,500	715.5	4,028.1
Total	97	24,656	1,475	26,131	754.1	4,268.4
295 Non-ferrous metals						
4 - 19 persons	9	71	18	89	2.0	11.2
20 - 49 persons	5	n.p.	n.p.	n.p.	n.p.	n.p.
50 - 99 persons	2	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	5	2,761	180	2,941	90.0	1,123.5
Total	21	3,140	219	3,359	100.2	1,248.9
296 Non-ferrous metal basic products						
4 - 19 persons	38	285	47	332	6.5	36.6
20 - 49 persons	11	n.p.	n.p.	n.p.	n.p.	n.p.
50 - 99 persons	5	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	17	4,393	498	4,891	133.4	1,104.9
Total	71	5,289	700	5,989	157.8	1,311.1

For footnotes, see end of table

TABLE 2.3 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS AND OPERATING AT END OF JUNE 1988 (a): SELECTED DATA ITEMS BY EMPLOYMENT SIZE AND INDUSTRY GROUP, NEW SOUTH WALES (continued)

Industry Group Employment size group	Establishments at end of June (no.)	Employment at end of June (b)			Wages and salaries (c) (\$m)	Turnover (\$m)
		Males (no.)	Females (no.)	Persons (no.)		
29 Basic metal products						
4 - 19 persons	96	772	128	900	18.5	124.6
20 - 49 persons	35	1,016	141	1,157	26.4	176.4
50 - 99 persons	16	957	133	1,090	28.4	270.7
100 or more persons	42	30,340	1,992	32,332	938.9	6,256.7
Total	189	33,085	2,394	35,479	1,012.1	6,828.4
314 Structural						
4 - 19 persons	455	3,105	631	3,736	71.9	351.5
20 - 49 persons	89	2,414	326	2,740	61.0	283.5
50 - 99 persons	19	1,142	196	1,338	31.9	175.2
100 or more persons	26	3,424	440	3,864	94.1	535.8
Total	583	10,085	1,593	11,678	258.8	1,346.1
315 Sheet metal						
4 - 19 persons	281	2,004	418	2,422	46.1	182.3
20 - 49 persons	69	1,648	351	1,999	42.3	186.0
50 - 99 persons	18	1,126	239	1,365	31.7	153.0
100 or more persons	17	2,443	601	3,044	74.3	385.9
Total	385	7,221	1,609	8,830	194.4	907.2
316 Other						
4 - 19 persons	686	4,333	1,134	5,467	105.3	381.2
20 - 49 persons	111	2,731	602	3,333	71.4	303.4
50 - 99 persons	32	1,681	628	2,309	47.5	206.3
100 or more persons	23	3,412	1,026	4,438	114.4	464.0
Total	852	12,157	3,390	15,547	338.6	1,354.9
31 Fabricated metal products						
4 - 19 persons	1,422	9,442	2,183	11,625	223.3	915.1
20 - 49 persons	269	6,793	1,279	8,072	174.6	772.9
50 - 99 persons	69	3,949	1,063	5,012	111.1	534.5
100 or more persons	60	9,279	2,067	11,346	282.7	1,385.7
Total	1,820	29,463	6,592	36,055	791.8	3,608.2
323 Motor vehicles						
4 - 19 persons	206	1,411	240	1,651	27.5	116.3
20 - 49 persons	37	988	163	1,151	23.8	109.9
50 - 99 persons	13	742	162	904	20.1	104.9
100 or more persons	17	4,653	818	5,471	131.9	738.4
Total	273	7,794	1,383	9,177	203.4	1,069.5
324 Other transport						
4 - 19 persons	135	827	187	1,014	16.0	61.9
20 - 49 persons	13	402	29	431	10.7	38.6
50 - 99 persons	11	695	95	790	19.3	81.9
100 or more persons	26	15,687	913	16,600	420.8	1,015.7
Total	185	17,611	1,224	18,835	466.8	1,198.1
32 Transport equipment						
4 - 19 persons	341	2,238	427	2,665	43.5	178.2
20 - 49 persons	50	1,390	192	1,582	24.6	148.5
50 - 99 persons	24	1,437	257	1,694	39.4	186.8
100 or more persons	43	20,340	1,731	22,071	552.7	1,754.1
Total	458	25,405	2,607	28,012	670.2	2,267.6
334 Photographic and scientific						
4 - 19 persons	276	732	953	1,685	27.6	117.4
20 - 49 persons	15	n.p.	n.p.	n.p.	n.p.	n.p.
50 - 99 persons	4	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	7	723	829	1,552	37.2	121.7
Total	302	1,935	2,005	3,940	82.4	315.4

For footnotes, see end of table

TABLE 2.3 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS AND OPERATING AT END OF JUNE 1988 (a): SELECTED DATA ITEMS BY EMPLOYMENT SIZE AND INDUSTRY GROUP, NEW SOUTH WALES (continued)

Industry Group Employment size group	Establishments at end of June (no.)	Employment at end of June (b)			Wages and salaries (c) (\$m)	Turnover (\$m)
		Males (no.)	Females (no.)	Persons (no.)		
335 Appliances and electrical						
4 - 19 persons	298	1,839	679	2,518	49.5	223.5
20 - 49 persons	81	1,888	664	2,552	53.6	233.3
50 - 99 persons	69	3,423	1,346	4,769	111.6	577.0
100 or more persons	67	14,894	6,845	21,739	488.3	2,248.2
Total	515	22,044	9,534	31,578	703.0	3,282.0
336 Industrial machinery						
4 - 19 persons	600	4,228	886	5,114	102.2	409.9
20 - 49 persons	131	n.p.	n.p.	n.p.	n.p.	n.p.
50 - 99 persons	39	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	42	7,236	969	8,205	203.5	790.3
Total	812	17,162	2,757	19,919	464.6	1,864.8
33 Other machinery and equipment						
4 - 19 persons	1,174	6,799	2,518	9,317	179.2	750.8
20 - 49 persons	227	5,596	1,321	6,917	155.2	653.5
50 - 99 persons	112	5,893	1,814	7,707	186.6	898.2
100 or more persons	116	22,853	8,643	31,496	729.0	3,159.7
Total	1,629	41,141	14,296	55,437	1,249.9	5,462.2
345 Leather						
4 - 19 persons	64	233	308	541	8.7	37.8
20 - 49 persons	11	230	87	317	7.5	63.4
50 - 99 persons	8	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	1	n.p.	n.p.	n.p.	n.p.	n.p.
Total	84	923	617	1,540	30.3	241.0
346 Rubber						
4 - 19 persons	49	390	92	482	9.2	46.5
20 - 49 persons	14	316	96	412	8.8	50.5
50 - 99 persons	8	n.p.	n.p.	n.p.	n.p.	n.p.
100 or more persons	5	n.p.	n.p.	n.p.	n.p.	n.p.
Total	76	2,120	376	2,496	59.8	271.0
347 Plastics						
4 - 19 persons	231	1,423	718	2,141	39.8	202.9
20 - 49 persons	69	1,457	729	2,186	47.4	251.7
50 - 99 persons	41	1,747	935	2,682	62.8	339.2
100 or more persons	40	4,359	2,259	6,618	158.9	872.7
Total	381	8,986	4,641	13,627	308.8	1,666.5
348 Other						
4 - 19 persons	295	1,429	676	2,105	33.3	145.3
20 - 49 persons	49	933	538	1,471	32.6	157.9
50 - 99 persons	10	370	307	677	16.3	93.7
100 or more persons	5	279	491	770	15.7	53.5
Total	359	3,011	2,012	5,023	97.9	450.4
34 Miscellaneous						
4 - 19 persons	639	3,475	1,794	5,269	91.0	432.5
20 - 49 persons	143	2,936	1,450	4,386	96.2	523.4
50 - 99 persons	67	2,912	1,523	4,435	101.0	549.7
100 or more persons	51	5,717	2,879	8,596	208.7	1,123.2
Total	900	15,040	7,646	22,686	496.9	2,628.8
21 - 34 TOTAL MANUFACTURING						
4 - 19 persons	7,950	44,114	19,789	63,903	1,132.8	5,746.8
20 - 49 persons	1,611	35,669	13,993	49,662	1,041.4	5,734.3
50 - 99 persons	638	31,384	12,940	44,324	1,081.8	6,646.7
100 or more persons	720	152,079	50,750	202,829	5,212.9	28,031.3
Total	10,919	263,246	97,472	360,718	8,405.8	46,159.1

(a) Only data for establishments operating at the end of June 1988 are included in this table, it is therefore not comparable with other tables relating to establishments which operated for the whole or any part of the year. In addition, this table unlike other tables excludes details of separately located administrative offices and other ancillary units. (b) Includes working proprietors. (c) Excludes the drawings of working proprietors.

TABLE 2.4 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS: PRINCIPAL PRODUCTS MANUFACTURED, NEW SOUTH WALES

Item	Unit	Year			
		1984-85	1985-86	1986-87	1987-88
FOOD AND DRINK					
Whole milk	mill L	940	904	906	931
Butter	tonnes	2,639	1,220	829	1,057
Cheese	tonnes	13,768	13,048	13,411	13,142
Ice cream	'000 L	69,928	72,617	74,225	77,553
Other frozen dairy foods	'000 L	22,320	27,274	25,272	25,863
Chocolate	tonnes	11,053	14,065	15,867	17,447
Other confectionery	tonnes	19,400	19,223	21,294	27,127
Water ices and fruit ices	'000 L	n.p.	5,374	6,232	5,798
Aerated and carbonated waters	'000 L	340,539	379,225	386,048	431,967
Cordials and syrups -					
Fruit juice	'000 L	39,265	38,009	40,471	48,646
Other	'000 L	n.a.	7,791	8,566	9,701
Bacon and ham (incl. canned)	tonnes	n.a.	n.a.	20,073	24,195
Vegetables, canned or bottled	tonnes	42,081	40,990	43,966	47,667
Flour, white (incl. sharps)	tonnes	545,380	532,511	547,758	561,292
MEAT PRODUCTION					
Mutton	'000 kg	49,564	62,626	84,463	90,270
Lamb	'000 kg	103,076	108,827	88,551	86,893
Beef and veal	'000 kg	270,305	318,916	361,951	402,820
Pig meats	'000 kg	58,686	77,901	90,638	96,894
Dressed chicken	'000 kg	126,263	128,407	134,317	141,385
BUILDING MATERIALS, STEEL, ELECTRICITY AND GAS					
Bricks, clay	'000	721,315	746,648	698,901	712,916
Concrete blocks	'000	21,307	22,458	21,666	20,771
Roofing tiles	'000 sq m	6,529	7,036	5,685	6,394
Ready mixed concrete	'000 cu m	4,003	4,587	4,567	4,789
Timber, sawn	'000 cu m	909	952	917	932
Raw steel	'000 tonnes	5,120	5,607	5,080	4,728
Paints, enamels and clears -					
Architectural	'000 L	42,488	39,601	41,731	46,793
Industrial	'000 L	16,937	19,321	20,248	24,331
Electricity	mill. kWh	44,165	47,136	47,960	49,702
Gas, mains	mill. MJ	81,725	92,532	93,689	90,943
TEXTILES, CLOTHING AND FOOTWEAR					
Yarn, (synthetic mix)	tonnes	2,483	3,032	4,315	2,900
Woven Fabric -					
Wool	'000 sq m	1,465	1,949	1,815	n.p.
Cotton	'000 sq m	13,118	12,192	12,144	12,318
Man-made fibres	'000 sq m	61,517	69,109	70,075	69,661
Clothing, men's and boys' -					
Shirts	'000	16,503	15,742	15,792	14,420
Sports coats	number	73,945	63,909	55,268	61,403
Sports trousers	number	2,094,774	2,010,639	1,929,681	1,847,436
Footwear -					
Men's	'000 pairs	2,729	2,863	2,543	2,465
Women's	'000 pairs	2,926	3,301	2,969	2,889
Children's	'000 pairs	606	822	739	671

TABLE 2.4 MANUFACTURING ESTABLISHMENTS EMPLOYING FOUR OR MORE PERSONS: PRINCIPAL PRODUCTS MANUFACTURED, NEW SOUTH WALES (continued)

Item	Unit	Year			
		1984-85	1985-86	1986-87	1987-88
MISCELLANEOUS PRODUCTS					
Polyethylene film	'000 kg	36,813	38,057	38,876	40,447
Cookers, domestic electric	number	81,681	84,593	64,552	71,843
Electric motors	number	1,034,527	932,222	1,114,080	1,208,727
Synthetic resins	tonnes	264,914	243,592	249,730	278,318
Soap and synthetic detergents for personal use	tonnes	29,262	30,033	34,142	34,469
Non abrasive synthetic detergents for other than personal use	tonnes	156,074	163,387	174,446	193,797
Meat and bone meals (excl. blood meal)	tonnes	81,063	91,979	102,314	100,678
Other stock and poultry foods	tonnes	1,069,024	1,091,673	1,187,263	1,183,021

Source: ABS Catalogue No. 8304.1

MONTHLY PRODUCTION STATISTICS

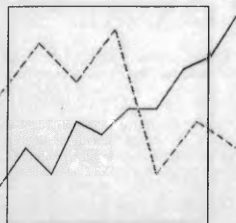
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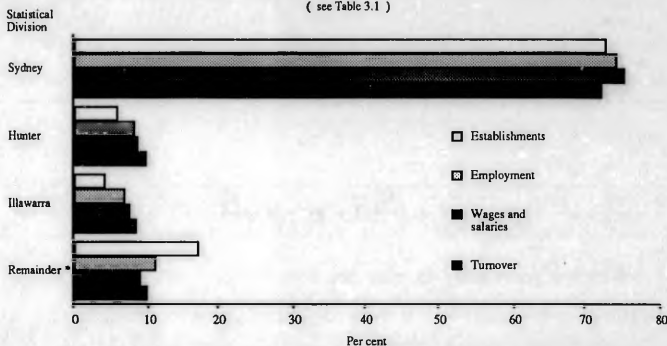
SECTION 3. REGIONAL MANUFACTURING ACTIVITY, NEW SOUTH WALES

This section provides information on manufacturing industries in selected statistical areas of New South Wales. All data is from the 1987-88 Manufacturing Census.

Manufacturing in New South Wales is based primarily in the Sydney Statistical Division, with over 72 per cent of the State's manufacturing establishments, employment, wages and salaries and turnover. The Hunter and Illawarra Statistical Divisions are the main areas of manufacturing activity outside the Sydney Statistical Division. This dominance is shown in the following graph.

MANUFACTURING INDUSTRY: ESTABLISHMENTS, EMPLOYMENT, WAGES & SALARIES, AND TURNOVER IN STATISTICAL DIVISIONS OF NEW SOUTH WALES, 1987-88

(see Table 3.1)



* Comprises Richmond-Tweed, Mid-North Coast, Northern, North Western, Central West, South Eastern, Murrumbidgee, Murray and Far West Statistical Divisions

All three metropolitan areas in New South Wales have shown an increase in the number of manufacturing establishments between June 1987 and June 1988, ranging from 4 per cent in Hunter to more than 10 per cent in Illawarra.

Comparison of manufacturing activity across statistical divisions of New South Wales (see Table 3.1).

Within the three statistical divisions (Sydney, Hunter and Illawarra), in which the bulk of manufacturing in New South Wales is concentrated, there are differences in the pattern of manufacturing activity as reflected by the relative importance of industry sub-divisions in terms of employment.

In Sydney, manufacturing is spread over a number of industries. The dominant industries in terms of employment are food, beverages and tobacco (12 per cent), paper, paper products, printing and publishing (12 per cent), fabricated metal products (11 per cent), and other machinery (18 per cent), with employment in the remaining industry sub-divisions ranging from 2 to 8 per cent of the total for the statistical division.

Outside Sydney, manufacturing is characterised by greater dominance of only one industry. The dominant industries are basic metal products in Hunter and Illawarra Statistical Divisions, and food, beverages and tobacco in the remaining divisions of the state.

Manufacturing activity in the Sydney Statistical Division (see Tables 3.2 and 3.3).

The Inner Sydney Statistical Sub-division (which incorporates the municipalities of Botany, Leichhardt, Marrickville and the City of Sydney) dominates Sydney Statistical Division with almost 22 per cent of establishments, 27 per cent of employment and 26 per cent of turnover. Paper, paper products, printing and publishing is the largest industry sub-division with over 20 per cent of establishments, employment and turnover. The City of Sydney has the highest concentration of manufacturing activity in New South Wales with 8 per cent of establishments, 12 per cent of employment and 10 per cent of turnover. The next highest concentration of manufacturing activity occurs in Central Western Sydney (which incorporates the municipalities of Auburn, Holroyd and the City of Parramatta). In contrast to the Inner Sydney Statistical Sub-division the main manufacturing activity in Central Western Sydney is food, beverages and tobacco with over 23 per cent of turnover and 19 per cent of employment.

Manufacturing activity in the Hunter and Illawarra Statistical Divisions (see Tables 3.1, 3.2, 3.4 and 3.6).

The vast majority of manufacturing activity in the Hunter Statistical Division is based in the Lower Hunter (Newcastle Statistical Subdivision). Only 16 per cent of the Hunter Statistical Division's establishments are located in the Upper Hunter and of these, over 72 per cent employ less than 10 persons. Newcastle City is the main centre of manufacturing in the Newcastle Statistical Sub-division with 40 per cent of establishments and 62 per cent of employment. As mentioned previously the major industry, employing over 35 per cent of the Hunter Statistical Division's work force is basic metal products.

The Illawarra Statistical Division is also dominated by basic metal products with 61 per cent of employment and just over 70 per cent of turnover attributable to this industry. Remaining manufacturing activity is spread across a number of industry sub-divisions.

Manufacturing activity in the rest of New South Wales (see Table 3.1).

Moving away from the heavily industrialised areas of Sydney, Hunter and Illawarra, the major manufacturing activity is in food, beverages and tobacco which employs 33 per cent of the manufacturing work force. In contrast to this though, the highest proportion of manufacturing establishments are involved in the wood, wood products and furniture industry. This is particularly evident in the Mid-North Coast and South Eastern Statistical Divisions with over 24 per cent of establishments and 21 per cent of employment within each region involved in this industry.

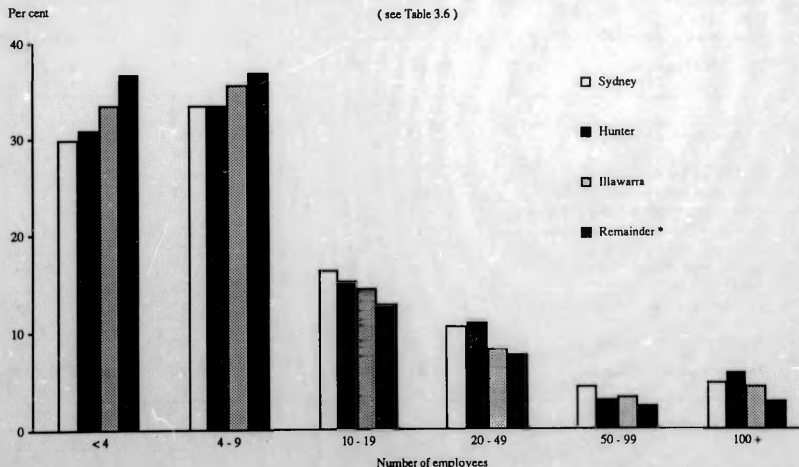
Size of manufacturing establishments (see Table 3.6).

As would be expected, most large manufacturing establishments are located in the Sydney Statistical Division. Of those establishments employing 100 or more persons, 77 per cent are located in this region. This dominance is also shown in the remaining size categories, with between 69 and 81 per cent of establishments located in the Sydney Statistical Division.

Within the Sydney Statistical Division the majority of large establishments are located in the Inner Sydney, Canterbury-Bankstown, and Central Western Sydney Statistical Sub-divisions.

The size distribution of manufacturing establishments within the Sydney, Hunter and Illawarra Statistical Divisions are not dissimilar to the remaining Statistical Divisions. The following graph, however, re-emphasises the tendency for larger establishments to concentrate in the more populated areas of the State.

MANUFACTURING INDUSTRY: ESTABLISHMENTS BY EMPLOYMENT SIZE IN STATISTICAL DIVISIONS OF NEW SOUTH WALES, 1987-88



* Comprises Richmond-Tweed, Mid-North Coast, Northern, North Western, Central West, South Eastern, Murrumbidgee, Murray and Far West Statistical Divisions

TABLE 3.1 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN STATISTICAL DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
SYDNEY STATISTICAL DIVISION							
21	Food, beverages, and tobacco	716	22,456	12,259	34,715	862.9	5,328.5
23	Textiles	265	4,039	2,701	6,740	157.1	849.6
24	Clothing and footwear	964	4,899	13,373	18,272	292.5	1,418.9
25	Wood, wood products, and furniture	1,472	14,783	3,666	18,449	355.8	1,646.1
26	Paper, paper products, printing, and publishing	1,606	22,811	12,173	34,984	893.7	4,097.6
27	Chemical, petroleum, and coal products	434	15,359	7,646	23,005	691.1	5,370.7
28	Non-metallic mineral products	362	8,257	1,266	9,523	251.2	1,371.8
29	Basic metal products	172	8,235	1,207	9,442	268.4	1,723.6
31	Fabricated metal products	1,974	24,018	5,839	29,857	654.9	2,957.2
32	Transport equipment	496	21,570	2,097	23,667	573.7	1,930.7
33	Other machinery	1,876	35,803	13,532	49,335	1,131.2	4,730.5
34	Miscellaneous manufacturing	1,210	14,537	7,603	22,140	490.7	2,423.2
Total, manufacturing industries		11,547	196,767	83,362	280,129	6,623.2	33,848.4
HUNTER STATISTICAL DIVISION							
21	Food, beverages, and tobacco	84	2,375	1,626	4,001	74.2	610.8
23	Textiles	19	626	410	1,036	n.p.	n.p.
24	Clothing and footwear	20	111	1,295	1,406	n.p.	n.p.
25	Wood, wood products, and furniture	176	1,320	214	1,534	25.6	111.8
26	Paper, paper products, printing, and publishing	73	652	499	1,151	22.9	63.5
27	Chemical, petroleum, and coal products	27	943	105	1,048	33.1	307.4
28	Non-metallic mineral products	87	946	93	1,039	25.5	157.0
29	Basic metal products	20	10,464	558	11,022	329.8	2,295.2
31	Fabricated metal products	197	2,395	351	2,746	60.7	306.0
32	Transport equipment	40	2,066	102	2,168	50.5	139.1
33	Other machinery	127	2,846	612	3,458	82.0	336.7
34	Miscellaneous manufacturing	71	499	130	629	11.8	55.5
Total, manufacturing industries		941	25,243	5,995	31,238	758.3	4,547.9
ILLAWARRA STATISTICAL DIVISION							
21	Food, beverages, and tobacco	60	941	346	1,287	22.9	175.1
23	Textiles	15	61	88	149	2.3	9.9
24	Clothing and footwear	30	115	1,554	1,669	25.9	90.7
25	Wood, wood products, and furniture	103	745	158	903	13.0	56.2
26	Paper, paper products, printing, and publishing	44	831	307	1,138	n.p.	n.p.
27	Chemical, petroleum, and coal products	11	191	67	258	6.8	53.5
28	Non-metallic mineral products	60	1,177	131	1,308	33.7	240.6
29	Basic metal products	18	15,069	908	15,977	463.4	2,788.4
31	Fabricated metal products	137	1,215	214	1,429	33.9	148.1
32	Transport equipment	34	259	31	290	n.p.	n.p.
33	Other machinery	87	1,153	229	1,382	32.4	191.3
34	Miscellaneous manufacturing	56	283	116	399	6.6	24.9
Total, manufacturing industries		655	22,040	4,149	26,189	676.4	3,953.3

For footnotes, see end of table.

TABLE 3.1 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN STATISTICAL DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
RICHMOND-TWEED STATISTICAL DIVISION							
21	Food, beverages, and tobacco	66	1,517	445	1,962	39.7	224.6
23	Textiles	3	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	20	86	284	370	5.5	21.2
25	Wood, wood products, and furniture	80	653	90	743	10.7	50.4
26	Paper, paper products, printing, and publishing	30	254	160	414	7.4	21.9
27	Chemical, petroleum, and coal products	4	13	4	17	n.p.	n.p.
28	Non-metallic mineral products	32	173	14	187	3.5	21.6
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	62	284	57	341	4.5	24.0
32	Transport equipment	26	157	21	178	3.2	15.2
33	Other machinery	24	192	44	236	4.0	14.6
34	Miscellaneous manufacturing	40	184	47	231	3.3	30.8
Total, manufacturing industries		389	3,521	1,169	4,690	82.0	426.4
MID-NORTH COAST STATISTICAL DIVISION							
21	Food, beverages, and tobacco	64	1,746	353	2,099	44.4	344.4
23	Textiles	5	18	7	25	0.3	1.4
24	Clothing and footwear	17	164	393	557	9.3	36.0
25	Wood, wood products, and furniture	189	1,611	215	1,826	27.2	135.6
26	Paper, paper products, printing, and publishing	37	251	168	419	7.5	21.7
27	Chemical, petroleum, and coal products	3	11	3	14	0.3	2.6
28	Non-metallic mineral products	54	330	40	370	6.5	41.9
29	Basic metal products	4	21	5	26	n.p.	n.p.
31	Fabricated metal products	89	591	118	709	11.0	51.0
32	Transport equipment	29	420	115	535	8.9	36.5
33	Other machinery	36	419	75	494	n.p.	n.p.
34	Miscellaneous manufacturing	53	123	77	200	2.2	12.5
Total, manufacturing industries		580	5,705	1,569	7,274	127.1	722.2
NORTHERN STATISTICAL DIVISION							
21	Food, beverages, and tobacco	47	2,297	503	2,800	49.5	335.2
23	Textiles	12	358	164	522	n.p.	n.p.
24	Clothing and footwear	2	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	83	392	53	445	5.9	29.0
26	Paper, paper products, printing, and publishing	35	176	155	331	5.6	17.8
27	Chemical, petroleum, and coal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	38	173	22	195	3.2	18.9
29	Basic metal products	4	19	4	23	n.p.	n.p.
31	Fabricated metal products	62	340	62	402	5.8	30.4
32	Transport equipment	16	394	112	506	11.4	14.4
33	Other machinery	33	125	46	171	2.5	12.0
34	Miscellaneous manufacturing	29	234	46	280	5.7	86.5
Total, manufacturing industries		363	4,532	1,176	5,708	99.8	583.8

For footnotes, see end of table.

TABLE 3.1 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN STATISTICAL DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
NORTH WESTERN STATISTICAL DIVISION							
21	Food, beverages, and tobacco	37	603	125	728	14.4	80.1
23	Textiles	5	43	31	74	0.5	1.6
24	Clothing and footwear	1	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	26	n.p.	n.p.	n.p.	n.p.	n.p.
26	Paper, paper products, printing, and publishing	17	184	172	356	8.0	32.4
27	Chemical, petroleum, and coal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	27	100	10	110	n.p.	n.p.
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	37	144	28	172	2.3	13.8
32	Transport equipment	7	n.p.	n.p.	n.p.	1.0	3.6
33	Other machinery	27	175	33	208	3.0	18.7
34	Miscellaneous manufacturing	13	47	22	69	0.9	4.4
Total, manufacturing industries		201	1,535	472	2,007	35.2	191.0
CENTRAL WEST STATISTICAL DIVISION							
21	Food, beverages, and tobacco	46	1,581	670	2,251	54.2	280.8
23	Textiles	3	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	5	28	320	348	5.1	14.2
25	Wood, wood products, and furniture	61	674	88	762	14.0	100.0
26	Paper, paper products, printing, and publishing	27	267	189	456	6.6	18.5
27	Chemical, petroleum, and coal products	3	21	5	26	n.p.	n.p.
28	Non-metallic mineral products	34	455	31	486	13.2	77.8
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	70	863	204	1,067	25.3	81.6
32	Transport equipment	9	318	27	345	7.4	30.6
33	Other machinery	19	1,405	387	1,792	n.p.	n.p.
34	Miscellaneous manufacturing	13	111	19	130	2.4	18.8
Total, manufacturing industries		292	5,936	2,045	7,981	169.1	906.7
SOUTH EASTERN STATISTICAL DIVISION							
21	Food, beverages, and tobacco	52	477	245	722	n.p.	n.p.
23	Textiles	10	34	26	60	1.1	3.4
24	Clothing and footwear	6	141	221	362	5.3	16.9
25	Wood, wood products, and furniture	92	653	84	737	13.7	99.3
26	Paper, paper products, printing, and publishing	31	154	154	308	4.9	15.4
27	Chemical, petroleum, and coal products	3	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	48	284	39	323	7.7	48.4
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	70	408	68	476	7.3	40.7
32	Transport equipment	15	122	7	129	2.3	8.0
33	Other machinery	28	108	46	154	2.3	8.9
34	Miscellaneous manufacturing	14	46	36	82	1.7	14.0
Total, manufacturing industries		370	2,449	942	3,391	57.6	377.8

For footnotes, see end of table.

TABLE 3.1 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN STATISTICAL DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
MURRUMBIDGEE STATISTICAL DIVISION							
21	Food, beverages, and tobacco	57	1,732	528	2,260	45.7	397.3
23	Textiles	4	216	15	231	n.p.	n.p.
24	Clothing and footwear	2	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	59	1,011	114	1,125	25.4	150.5
26	Paper, paper products, printing, and publishing	29	349	165	514	12.7	43.4
27	Chemical, petroleum, and coal products	3	26	8	34	n.p.	n.p.
28	Non-metallic mineral products	30	139	10	149	2.7	13.1
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	38	232	65	297	4.6	20.4
32	Transport equipment	20	221	19	240	4.4	11.6
33	Other machinery	27	144	39	183	3.8	15.1
34	Miscellaneous manufacturing	20	87	21	108	1.8	15.9
Total, manufacturing industries		290	4,225	1,057	5,282	107.7	697.3
MURRAY STATISTICAL DIVISION							
21	Food, beverages, and tobacco	33	697	155	852	15.8	218.3
23	Textiles	4	184	180	364	n.p.	n.p.
24	Clothing and footwear	10	34	224	258	3.4	12.9
25	Wood, wood products, and furniture	45	217	39	256	3.9	20.1
26	Paper, paper products, printing, and publishing	20	527	161	688	n.p.	n.p.
27	Chemical, petroleum, and coal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	24	129	23	152	3.2	20.7
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	46	421	127	548	9.7	55.2
32	Transport equipment	11	610	189	799	n.p.	n.p.
33	Other machinery	38	453	91	544	11.0	47.5
34	Miscellaneous manufacturing	16	74	36	110	2.4	8.6
Total, manufacturing industries		251	3,606	1,266	4,872	104.6	688.9
FAR WEST STATISTICAL DIVISION							
21	Food, beverages, and tobacco	4	74	36	110	n.p.	n.p.
23	Textiles	-	-	-	-	-	-
24	Clothing and footwear	-	-	-	-	-	-
25	Wood, wood products, and furniture	2	n.p.	n.p.	n.p.	n.p.	n.p.
26	Paper, paper products, printing, and publishing	5	41	15	56	1.3	2.3
27	Chemical, petroleum, and coal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	3	6	-	6	n.p.	n.p.
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	7	21	4	25	0.4	1.5
32	Transport equipment	1	n.p.	n.p.	n.p.	n.p.	n.p.
33	Other machinery	3	20	3	23	n.p.	n.p.
34	Miscellaneous manufacturing	-	-	-	-	-	-
Total, manufacturing industries		27	178	63	241	4.4	13.4

For footnotes, see end of table.

TABLE 3.1 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN STATISTICAL DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
TOTAL NEW SOUTH WALES EXCLUDING SYDNEY STATISTICAL DIVISION							
21	Food, beverages, and tobacco	550	14,040	5,032	19,072	373.1	2,789.3
23	Textiles	80	1,746	1,026	2,772	53.6	312.6
24	Clothing and footwear	113	715	4,373	5,088	75.6	257.3
25	Wood, wood products, and furniture	916	7,428	1,081	8,509	141.7	765.0
26	Paper, paper products, printing, and publishing	348	3,686	2,145	5,831	126.1	556.6
27	Chemical, petroleum, and coal products	62	1,497	255	1,752	51.4	409.9
28	Non-metallic mineral products	437	3,912	413	4,325	101.6	652.1
29	Basic metal products	56	25,673	1,491	27,164	796.1	5,122.5
31	Fabricated metal products	815	6,914	1,298	8,212	165.6	772.6
32	Transport equipment	208	4,631	634	5,265	114.8	364.5
33	Other machinery	449	7,040	1,605	8,645	183.6	834.4
34	Miscellaneous manufacturing	325	1,688	550	2,238	38.9	271.9
Total, manufacturing industries		4,359	78,970	19,903	98,873	2,222.2	13,108.8
TOTAL, NEW SOUTH WALES							
21	Food, beverages, and tobacco	1,266	36,496	17,291	53,787	1,236.0	8,117.8
23	Textiles	345	5,785	3,727	9,512	210.7	1,162.3
24	Clothing and footwear	1,077	5,614	17,746	23,360	368.1	1,676.1
25	Wood, wood products, and furniture	2,388	22,211	4,747	26,958	497.5	2,411.1
26	Paper, paper products, printing, and publishing	1,954	26,497	14,318	40,815	1,019.7	4,654.2
27	Chemical, petroleum, and coal products	496	16,856	7,901	24,757	742.5	5,780.7
28	Non-metallic mineral products	799	12,169	1,679	13,848	352.8	2,023.9
29	Basic metal products	228	33,908	2,698	36,606	1,064.6	6,846.2
31	Fabricated metal products	2,789	30,932	7,137	38,069	820.4	3,729.8
32	Transport equipment	704	26,201	2,731	28,932	688.5	2,295.2
33	Other machinery	2,325	42,843	15,137	57,980	1,314.8	5,564.8
34	Miscellaneous manufacturing	1,535	16,225	8,153	24,378	529.6	2,695.1
Total, manufacturing industries		15,906	275,737	103,265	379,002	8,845.4	46,957.2

(a) Includes working proprietors. (b) Excludes the drawings of working proprietors.

TABLE 3.2 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN STATISTICAL LOCAL AREAS, 1987-88

Statistical local area	Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
		Males (no.)	Females (no.)	Persons (no.)		
Botany (M)	314	11,468	2,754	14,222	417.8	2,374.0
Leichhardt (M)	297	4,855	2,201	7,056	157.8	665.0
Marrickville (M)	568	6,464	3,882	10,346	206.4	911.3
Sydney (C)	1,302	29,661	14,525	44,186	1,134.3	4,838.1
<i>Inner Sydney SSD</i>	<i>2,481</i>	<i>32,446</i>	<i>23,502</i>	<i>73,810</i>	<i>1,910.3</i>	<i>6,188.4</i>
Randwick (M)	117	935	361	1,296	30.5	246.1
Waverley (M)	74	221	124	345	5.3	19.2
Woollahra (M)	71	171	193	364	4.9	20.2
<i>Eastern Suburbs SSD</i>	<i>262</i>	<i>1,327</i>	<i>678</i>	<i>2,005</i>	<i>40.7</i>	<i>283.6</i>
Hurstville (M)	341	3,086	1,459	4,545	93.7	400.1
Kogarah (M)	129	665	350	1,015	18.6	76.9
Rockdale (M)	255	3,486	1,778	5,264	115.5	559.0
Sutherland (S)	540	6,429	2,118	8,547	200.0	915.0
<i>St George-Sutherland SSD</i>	<i>1,265</i>	<i>13,666</i>	<i>5,705</i>	<i>19,371</i>	<i>427.8</i>	<i>1,951.0</i>
Bankstown (C)	857	21,505	6,758	28,263	635.1	3,148.0
Canterbury (M)	340	5,205	2,619	7,824	155.0	671.6
<i>Canterbury-Bankstown SSD</i>	<i>1,197</i>	<i>26,710</i>	<i>9,377</i>	<i>36,087</i>	<i>790.1</i>	<i>3,819.6</i>
Fairfield (C)	538	9,555	3,078	12,633	278.3	1,641.3
Liverpool (C)	394	7,065	2,691	9,756	219.8	1,349.6
<i>Fairfield-Liverpool SSD</i>	<i>932</i>	<i>16,620</i>	<i>5,769</i>	<i>22,389</i>	<i>498.1</i>	<i>2,990.9</i>
Camden (M)	57	354	106	460	11.7	29.4
Campbelltown (C)	190	3,051	1,406	4,457	91.1	556.3
Wollondilly (S)	41	593	218	811	16.3	164.6
<i>Outer South Western Sydney SSD</i>	<i>288</i>	<i>3,998</i>	<i>1,730</i>	<i>5,728</i>	<i>119.1</i>	<i>750.3</i>
Ashfield (M)	76	1,102	897	1,999	37.6	196.5
Burwood (M)	51	214	248	462	7.5	20.9
Concord (M)	96	3,809	1,434	5,243	140.6	804.3
Drummoyle (M)	65	1,231	343	1,574	40.1	289.4
Strathfield (M)	104	2,550	591	3,141	73.6	398.4
<i>Inner Western Sydney SSD</i>	<i>392</i>	<i>8,906</i>	<i>3,513</i>	<i>12,419</i>	<i>299.3</i>	<i>1,709.4</i>
Auburn (M)	299	9,197	2,659	11,856	295.4	1,828.8
Holroyd (M)	377	8,211	3,248	11,459	263.3	1,827.5
Parramatta (C)	397	13,609	5,941	19,550	513.2	2,936.6
<i>Central Western Sydney SSD</i>	<i>1,073</i>	<i>31,017</i>	<i>11,848</i>	<i>42,865</i>	<i>1,071.8</i>	<i>6,592.9</i>
Blue Mountains (C)	81	268	216	484	6.8	30.1
Hawkesbury (S)	97	837	707	1,544	26.8	162.0
Penrith (C)	366	4,958	2,376	7,334	161.7	926.4
<i>Outer Western Sydney SSD</i>	<i>544</i>	<i>6,063</i>	<i>3,299</i>	<i>9,362</i>	<i>195.3</i>	<i>1,118.4</i>
Baulkham Hills (S)	269	2,527	1,595	4,122	93.6	523.2
Blacktown (C)	502	8,225	2,698	10,923	254.3	1,417.0
<i>Blacktown-Baulkham Hills SSD</i>	<i>771</i>	<i>10,752</i>	<i>4,293</i>	<i>15,045</i>	<i>347.9</i>	<i>1,940.2</i>
Hunter's Hill (M)	13	31	42	73	1.0	9.3
Lane Cove (M)	66	1,908	1,361	3,269	87.1	320.5
Mosman (M)	29	182	85	267	6.7	11.8
North Sydney (M)	196	1,709	1,124	2,833	84.1	171.7
Ryde (M)	212	5,447	3,170	8,617	216.4	899.6
Willoughby (M)	250	2,909	1,219	4,128	97.3	423.0
<i>Lower Northern Sydney SSD</i>	<i>766</i>	<i>12,186</i>	<i>7,001</i>	<i>19,187</i>	<i>492.6</i>	<i>1,836.0</i>
Hornsby (S)	239	2,105	1,243	3,348	70.1	362.3
Ku-ring-gai (M)	86	525	276	801	26.7	37.4
<i>Hornsby-Ku-ring-gai SSD</i>	<i>325</i>	<i>2,630</i>	<i>1,519</i>	<i>4,149</i>	<i>96.8</i>	<i>399.7</i>

For footnotes, see end of table.

TABLE 3.2 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN
STATISTICAL LOCAL AREAS, 1987-88 (continued)

Statistical local area	Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
		Males (no.)	Females (no.)	Persons (no.)		
Manly (M)	78	402	452	854	20.2	88.9
Warringah (S)	769	5,932	3,051	8,983	195.6	961.6
Manly-Warringah SSD	847	6,334	3,503	9,837	215.8	1,050.5
Gosford (C)	210	2,577	1,166	3,743	71.9	421.6
Wyong (S)	194	1,533	599	2,132	39.7	193.8
Gosford-Wyong SSD	404	4,110	1,765	5,875	111.5	615.4
Sydney SD	11,547	196,767	83,362	280,129	6,623.2	33,848.4
Cessnock (C)	64	1,552	925	2,477	53.1	475.8
Lake Macquarie (C)	228	3,665	754	4,417	93.9	579.5
Maitland (C)	93	1,201	636	1,837	36.0	131.4
Newcastle (C)	316	15,139	3,089	18,228	477.9	2,459.2
Port Stephens (S)	85	2,033	231	2,264	59.2	611.5
Newcastle SSD	786	23,588	5,635	29,223	720.2	4,257.4
Dungog (S)	10	n.p.	n.p.	n.p.	1.8	7.6
Gloucester (S)	16	150	24	174	2.7	18.4
Great Lakes (S)	65	415	72	487	7.4	37.4
Merriwa (S)	1	n.p.	n.p.	n.p.	n.p.	n.p.
Murrumbidgee (S)	-	-	-	-	-	-
Muswellbrook (S)	23	340	79	419	n.p.	n.p.
Scone (S)	17	449	134	583	11.9	133.6
Singleton (S)	23	220	35	255	6.3	53.4
Balance of Hunter SD	155	1,655	360	2,015	38.1	290.6
Hunter SD	941	25,243	5,995	31,238	758.3	4,547.9
Kiama (M)	19	100	62	162	2.6	14.9
Shellharbour (M)	45	194	483	677	10.5	48.2
Wollongong (C)	365	18,504	3,020	21,524	578.6	3,358.6
Wollongong SSD	429	18,798	3,565	22,363	591.7	3,421.7
Shoalhaven (C)	144	1,617	358	1,975	42.1	291.0
Wingecarribee (S)	82	1,625	226	1,851	42.6	240.6
Balance of Illawarra SD	226	3,242	584	3,826	84.7	531.6
Illawarra SD	655	22,040	4,149	26,189	676.4	3,953.3
Tweed (S) - Pt A	60	335	240	575	9.6	72.5
Tweed Heads SSD	60	335	240	575	9.6	72.5
Ballina (S)	61	255	68	323	4.9	23.7
Byron (S)	54	210	120	330	3.8	21.3
Casino (M)	27	893	77	970	21.0	83.3
Kyogle (S)	15	170	36	206	2.8	17.6
Lismore (C)	101	1,084	534	1,618	26.6	133.2
Richmond River (S)	16	156	18	174	4.1	21.1
Tweed (S) - Pt B	55	418	76	494	9.2	53.7
Balance of Richmond-Tweed SD	329	3,186	929	4,115	72.3	353.9
Richmond-Tweed SD	389	3,521	1,169	4,690	82.0	426.4

For footnotes, see end of table.

TABLE 3.2 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN
STATISTICAL LOCAL AREAS, 1987-88 (continued)

Statistical local area	Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
		Males (no.)	Females (no.)	Persons (no.)		
Bellingen (S)	29	328	80	408	6.0	39.4
Coff's Harbour (C)	132	1,052	224	1,276	22.2	101.1
Copmanhurst (S)	15	109	10	119	1.9	14.8
Grafton (C)	51	702	152	854	16.8	132.2
Maclean (S)	25	164	31	195	3.6	29.9
Nambucca (S)	42	544	60	604	13.8	88.8
Nymboida (S)	4	10	4	14	n.p.	n.p.
Ullmarra (S)	8	29	2	31	n.p.	n.p.
Clarence SSD	306	2,938	563	3,501	64.9	410.8
Greater Taree (C)	96	1,203	535	1,738	28.4	135.9
Hastings (M)	119	939	241	1,180	18.8	95.2
Kempsey (S)	59	625	230	855	15.0	80.2
Hastings SSD	274	2,767	1,006	3,773	62.2	311.3
Mid-North Coast SD	580	5,705	1,569	7,274	127.1	722.2
Barraba (S)	1	n.p.	n.p.	n.p.	n.p.	n.p.
Bingara (S)	7	23	19	42	0.4	1.5
Gunnedah (S)	29	523	69	592	11.4	122.5
Inverell (S) - Pt A	9	37	6	43	0.4	1.5
Manilla (S)	7	27	6	33	0.4	2.2
Nundle (S)	2	n.p.	n.p.	n.p.	n.p.	n.p.
Parry (S)	17	132	34	166	2.8	19.7
Quirindi (S)	10	126	77	203	2.9	15.7
Tamworth (C)	101	1,395	398	1,793	36.8	210.5
Yallaro (S)	5	20	4	24	n.p.	n.p.
Northern Slopes SSD	188	2,301	617	2,918	55.6	375.8
Armidale (C)	41	171	59	230	3.4	13.6
Dumaresq (S)	3	14	3	17	n.p.	n.p.
Glen Innes (M)	13	54	16	70	n.p.	n.p.
Guyra (S)	8	684	113	797	n.p.	n.p.
Inverell (S) - Pt B	25	560	97	657	12.0	29.9
Severn (S)	-	-	-	-	-	-
Tenterfield (S)	13	78	12	90	1.4	8.0
Urala (S)	8	20	6	26	0.3	2.0
Walcha (S)	5	7	6	13	-	0.4
Northern Tablelands SSD	116	1,588	312	1,900	26.6	111.4
Moree Plains (S)	24	217	84	301	5.4	60.5
Narrabri (S)	35	426	163	589	12.1	36.2
North Central Plain SSD	59	643	247	890	17.5	96.6
Northern SD	363	4,532	1,176	5,708	99.8	583.8
Coolah (S)	4	19	1	20	n.p.	n.p.
Coonabarabran (S)	12	72	12	84	1.4	6.2
Dubbo (C)	73	689	252	941	17.2	96.3
Gilgandra (S)	9	20	15	35	0.4	1.4
Mudgee (S)	37	403	105	508	10.8	48.6
Narromine (S)	15	66	22	88	n.p.	n.p.
Wellington (S)	7	40	7	47	0.6	3.7
Central Macquarie SSD	157	1,309	414	1,723	31.5	161.0
Bogan (S)	6	17	3	20	0.3	1.8
Coonamble (S)	10	57	8	65	1.1	9.5
Walgett (S)	8	25	8	33	0.3	1.6
Warren (S)	6	29	22	51	0.4	1.6
Macquarie-Barwon SSD	30	128	41	169	2.0	14.5
Bourke (S)	6	14	3	17	0.3	2.8
Brewarrina (S)	2	n.p.	n.p.	n.p.	n.p.	n.p.
Cobar (S)	6	n.p.	n.p.	n.p.	n.p.	n.p.
Upper Darling SSD	14	98	17	115	1.7	15.5
North-Western SD	201	1,535	472	2,007	35.2	191.0

For footnotes, see end of table.

TABLE 3.2 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN
STATISTICAL LOCAL AREAS, 1987-88 (continued)

Statistical local area	Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
		Males (no.)	Females (no.)	Persons (no.)		
Bathurst (C)	54	1,416	595	2,011	43.4	270.0
Blayney (S) - Pt A	11	322	38	360	8.8	28.8
Cabonne (S) - Pt A	-	-	-	-	-	-
Evans (S) - Pt A	-	-	-	-	-	-
Orange (C)	78	1,970	722	2,692	48.9	272.8
Bathurst-Orange SSD	143	3,708	1,355	5,063	101.2	571.6
Blayney (S) - Pt B	2	n.p.	n.p.	n.p.	n.p.	n.p.
Cabonne (S) - Pt B	2	n.p.	n.p.	n.p.	n.p.	n.p.
Evans (S) - Pt B	5	16	9	25	0.2	1.2
Greater Lithgow (C)	19	717	393	1,110	27.1	75.0
Oberon (S)	13	402	66	468	n.p.	n.p.
Rylstone (S)	7	256	17	273	n.p.	n.p.
Central Tablelands SSD	48	1,400	487	1,887	44.7	179.1
Bland (S)	14	61	15	76	1.1	8.4
Cabonne (S) - Pt C	15	84	25	109	1.7	16.7
Cowra (S)	16	460	109	569	14.2	93.5
Forbes (S)	19	69	23	92	3.0	16.2
Lachlan (S)	6	23	7	30	0.3	1.3
Parkes (S)	24	112	21	133	2.6	18.7
Weddin (S)	7	19	3	22	-	1.3
Lachlan SSD	101	828	203	1,031	23.1	156.0
Central West SD	292	5,936	2,045	7,981	169.1	906.7
Queanbeyan (C)	116	678	164	842	16.0	94.6
Queanbeyan SSD	116	678	164	842	16.0	94.6
Boorowa (S)	4	5	2	7	-	0.3
Crookwell (S)	6	10	7	17	0.2	0.7
Goulburn (C)	41	480	326	806	13.2	56.8
Gunning (S)	-	-	-	-	-	-
Harden (S)	7	42	13	55	0.8	7.1
Mulwaree (S)	4	40	6	46	1.8	12.5
Tallaganda (S)	5	14	2	16	0.2	0.9
Yarrawillamla (S)	10	47	12	59	0.7	3.7
Yass (S)	11	33	16	49	0.7	4.3
Young (S)	24	164	40	204	3.6	28.9
Southern Tablelands SSD	112	835	424	1,259	21.2	115.2
Bega Valley (S)	57	480	251	731	12.3	110.8
Eurobodalla (S)	58	207	65	272	3.3	24.7
Lower South Coast SSD	115	687	316	1,003	15.6	135.4
Bombala (S)	5	99	9	108	2.0	12.0
Cooma-Monaro (S)	15	125	19	144	2.2	18.1
Snowy River (S)	7	25	10	35	0.5	2.4
Snowy SSD	27	249	38	287	4.8	32.6
South-Eastern SD	370	2,449	942	3,391	57.6	377.8

For footnotes, see end of table.

TABLE 3.2 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN
STATISTICAL LOCAL AREAS, 1987-88 (continued)

Statistical local area	Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
		Males (no.)	Females (no.)	Persons (no.)		
Coolamon (S)	7	26	5	31	0.4	1.0
Cootamundra (S)	19	226	83	309	5.0	30.7
Gundagai (S)	3	46	4	50	1.3	2.7
Junee (S)	6	165	8	173	3.6	9.5
Lockhart (S)	4	4	5	9	n.p.	n.p.
Narrandera (S)	10	100	10	110	2.1	20.5
Temora (S)	4	23	10	33	n.p.	n.p.
Tumut (S)	20	605	100	705	15.8	77.1
Wagga Wagga (C)	106	1,459	408	1,867	38.7	217.5
Central Murrumbidgee SSD	179	2,654	633	3,287	67.5	361.1
Carrathool (S)	4	6	1	7	-	0.2
Griffith (C)	70	742	254	996	17.6	177.3
Hay (S)	7	19	5	24	0.4	1.2
Leeton (S)	25	700	158	858	n.p.	n.p.
Murrumbidgee (S)	5	104	6	110	n.p.	n.p.
Lower Murrumbidgee SSD	111	1,571	424	1,995	40.2	336.2
Murrumbidgee SD	290	4,225	1,057	5,282	107.7	697.3
Albury (C)	123	2,204	987	3,191	n.p.	n.p.
Hume (S)	7	126	14	140	n.p.	n.p.
Albury SSD	130	2,330	1,001	3,331	75.2	457.0
Corowa (S)	15	402	64	466	11.1	41.0
Culcairn (S)	10	81	20	101	n.p.	n.p.
Holbrook (S)	3	n.p.	n.p.	n.p.	0.1	0.5
Tumbarumba (S)	8	30	14	44	n.p.	n.p.
Urana (S)	1	n.p.	n.p.	n.p.	n.p.	n.p.
Upper Murray SSD	37	519	104	623	13.6	73.8
Berrigan (S)	18	120	33	153	3.0	18.9
Conargo (S)	-	-	-	-	-	-
Deniliquin (M)	26	421	60	481	8.2	93.6
Jerilderie (S)	3	10	4	14	n.p.	n.p.
Murray (S)	9	45	25	70	0.6	6.7
Wakool (S)	10	50	12	62	n.p.	n.p.
Windouran (S)	-	-	-	-	-	-
Central Murray SSD	66	646	134	780	12.7	123.6
Balranald (S)	5	18	-	18	0.3	2.4
Wentworth (S)	13	93	27	120	2.7	32.1
Murray-Darling SSD	18	111	27	138	3.0	34.5
Murray SD	251	3,606	1,266	4,872	104.6	688.9
Broken Hill (C)	24	175	62	237	n.p.	n.p.
Central Darling (S)	3	3	1	4	n.p.	n.p.
Far West SSD	27	178	63	241	4.4	13.4
Far West SD	27	178	63	241	4.4	13.4
New South Wales	15,906	275,737	103,265	379,002	8,845.4	46,957.2

(a) Includes working proprietors. (b) Excludes the drawings of working proprietors.

TABLE 3.3 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL SUB-DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
INNER SYDNEY							
21	Food, beverages, and tobacco	130	5,973	2,613	8,586	260.9	1,317.4
23	Textiles	68	1,108	552	1,660	41.8	213.1
24	Clothing and footwear	499	2,872	6,660	9,532	165.0	896.0
25	Wood, wood products, and furniture	227	2,102	456	2,558	50.6	234.7
26	Paper, paper products, printing, and publishing	503	11,353	5,443	16,796	464.9	2,062.3
27	Chemical, petroleum, and coal products	90	2,907	989	3,896	119.1	1,306.4
28	Non-metallic mineral products	30	1,472	130	1,602	47.1	238.8
29	Basic metal products	32	1,394	296	1,690	54.1	168.3
31	Fabricated metal products	250	2,807	706	3,513	78.0	292.9
32	Transport equipment	45	9,479	657	10,136	273.1	599.0
33	Other machinery	294	7,828	3,127	10,955	260.3	987.1
34	Miscellaneous manufacturing	313	3,153	1,733	4,886	101.3	472.3
Total, manufacturing industries		2,481	52,448	23,362	75,810	1,916.3	8,788.4
EASTERN SUBURBS							
21	Food, beverages, and tobacco	29	138	97	235	2.8	12.7
23	Textiles	5	n.p.	n.p.	n.p.	0.5	2.2
24	Clothing and footwear	24	36	173	209	2.9	8.7
25	Wood, wood products, and furniture	35	82	28	110	1.1	4.7
26	Paper, paper products, printing, and publishing	62	531	191	722	18.4	102.2
27	Chemical, petroleum, and coal products	4	95	6	101	n.p.	n.p.
28	Non-metallic mineral products	12	24	19	43	0.5	2.2
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	21	141	19	160	3.2	9.5
32	Transport equipment	7	32	20	52	0.7	3.0
33	Other machinery	32	150	74	224	n.p.	n.p.
34	Miscellaneous manufacturing	30	68	41	109	1.2	4.2
Total, manufacturing industries		262	1,327	678	2,005	40.7	285.6
ST GEORGE - SUTHERLAND							
21	Food, beverages, and tobacco	51	1,114	820	1,934	40.5	257.4
23	Textiles	26	176	82	258	5.1	30.2
24	Clothing and footwear	60	172	492	664	9.6	33.8
25	Wood, wood products, and furniture	193	1,839	428	2,267	47.4	210.2
26	Paper, paper products, printing, and publishing	124	677	409	1,086	21.1	101.2
27	Chemical, petroleum, and coal products	32	1,488	471	1,959	66.3	315.0
28	Non-metallic mineral products	35	436	60	496	10.3	73.6
29	Basic metal products	24	563	143	706	15.8	114.4
31	Fabricated metal products	271	3,182	879	4,061	86.1	332.2
32	Transport equipment	73	822	259	1,081	23.7	114.9
33	Other machinery	235	2,014	824	2,838	62.3	211.6
34	Miscellaneous manufacturing	141	1,183	838	2,021	39.5	156.4
Total, manufacturing industries		1,265	13,666	5,705	19,371	427.8	1,951.0

For footnotes, see end of table.

TABLE 3.3 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL SUB-DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
CANTERBURY - BANKSTOWN							
21	Food, beverages, and tobacco	60	1,217	714	1,931	39.0	196.6
23	Textiles	26	480	329	809	17.2	84.1
24	Clothing and footwear	94	708	1,541	2,249	33.5	164.3
25	Wood, wood products, and furniture	178	2,271	632	2,903	60.7	258.2
26	Paper, paper products, printing, and publishing	99	2,063	893	2,956	70.1	330.7
27	Chemical, petroleum, and coal products	46	1,808	841	2,649	78.3	645.5
28	Non-metallic mineral products	15	638	60	698	16.4	56.6
29	Basic metal products	22	718	91	809	19.7	193.2
31	Fabricated metal products	272	4,444	1,265	5,709	121.2	576.3
32	Transport equipment	62	4,799	385	5,184	108.0	313.5
33	Other machinery	220	6,053	1,726	7,779	174.5	706.1
34	Miscellaneous manufacturing	103	1,511	900	2,411	51.4	294.4
Total, manufacturing industries		1,197	26,710	9,377	36,087	790.1	3,819.6
FAIRFIELD - LIVERPOOL							
21	Food, beverages, and tobacco	63	1,544	858	2,402	46.3	300.6
23	Textiles	13	309	246	555	11.9	98.2
24	Clothing and footwear	99	243	935	1,178	13.8	56.9
25	Wood, wood products, and furniture	133	2,057	587	2,644	50.1	252.8
26	Paper, paper products, printing, and publishing	47	1,289	361	1,650	40.0	403.2
27	Chemical, petroleum, and coal products	25	452	235	687	17.1	161.8
28	Non-metallic mineral products	40	1,334	250	1,584	42.3	226.0
29	Basic metal products	20	713	125	838	21.3	132.7
31	Fabricated metal products	230	2,500	520	3,020	68.7	263.2
32	Transport equipment	38	1,867	191	2,058	56.5	231.3
33	Other machinery	149	2,923	906	3,829	84.7	527.2
34	Miscellaneous manufacturing	75	1,389	555	1,944	45.2	337.1
Total, manufacturing industries		932	16,620	5,769	22,389	498.1	2,990.9
OUTER SOUTH WESTERN SYDNEY							
21	Food, beverages, and tobacco	25	278	251	529	12.2	63.6
23	Textiles	7	212	220	432	n.p.	n.p.
24	Clothing and footwear	8	25	84	109	1.3	5.6
25	Wood, wood products, and furniture	42	463	147	610	9.8	35.6
26	Paper, paper products, printing, and publishing	19	265	184	449	10.3	36.0
27	Chemical, petroleum, and coal products	6	169	43	212	n.p.	n.p.
28	Non-metallic mineral products	18	162	14	176	5.1	109.9
29	Basic metal products	6	192	26	218	3.5	32.3
31	Fabricated metal products	72	486	93	579	9.9	43.3
32	Transport equipment	14	119	53	172	2.8	7.6
33	Other machinery	45	1,273	342	1,615	36.9	156.6
34	Miscellaneous manufacturing	26	354	273	627	11.6	57.5
Total, manufacturing industries		288	3,998	1,730	5,728	119.1	750.3

For footnotes, see end of table.

TABLE 3.3 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL SUB-DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
INNER WESTERN SYDNEY							
21	Food, beverages, and tobacco	44	1,729	1,094	2,823	69.1	411.6
23	Textiles	10	202	75	277	n.p.	n.p.
24	Clothing and footwear	30	49	221	270	3.2	12.0
25	Wood, wood products, and furniture	44	248	41	289	4.8	28.1
26	Paper, paper products, printing, and publishing	53	771	394	1,165	26.9	99.1
27	Chemical, petroleum, and coal products	19	1,654	382	2,036	62.1	429.0
28	Non-metallic mineral products	14	245	38	283	5.8	24.7
29	Basic metal products	10	615	26	641	n.p.	n.p.
31	Fabricated metal products	54	715	154	869	19.8	107.8
32	Transport equipment	17	896	72	968	23.1	57.3
33	Other machinery	57	1,228	732	1,960	38.5	208.5
34	Miscellaneous manufacturing	40	554	284	838	20.2	108.9
Total, manufacturing industries		392	8,906	3,513	12,419	299.3	1,709.4
CENTRAL WESTERN SYDNEY							
21	Food, beverages, and tobacco	95	5,404	2,768	8,172	217.2	1,537.4
23	Textiles	28	564	372	936	21.6	124.3
24	Clothing and footwear	39	407	1,656	2,063	34.0	138.7
25	Wood, wood products, and furniture	120	1,943	388	2,331	50.3	228.0
26	Paper, paper products, printing, and publishing	103	1,633	802	2,435	57.1	229.0
27	Chemical, petroleum, and coal products	52	3,009	1,811	4,820	146.9	1,164.8
28	Non-metallic mineral products	40	1,694	237	1,931	53.2	237.4
29	Basic metal products	29	2,709	334	3,043	88.6	708.5
31	Fabricated metal products	202	4,151	794	4,945	122.6	644.7
32	Transport equipment	47	2,234	219	2,453	55.2	479.2
33	Other machinery	204	4,786	1,602	6,388	140.8	654.2
34	Miscellaneous manufacturing	114	2,483	865	3,348	84.3	446.6
Total, manufacturing industries		1,073	31,017	11,848	42,865	1,071.8	6,592.9
OUTER WESTERN SYDNEY							
21	Food, beverages, and tobacco	34	274	109	383	6.6	81.0
23	Textiles	14	188	202	390	8.8	46.9
24	Clothing and footwear	35	142	617	759	10.6	33.3
25	Wood, wood products, and furniture	86	788	191	979	16.0	111.5
26	Paper, paper products, printing, and publishing	52	404	322	726	14.4	70.5
27	Chemical, petroleum, and coal products	17	289	253	542	n.p.	n.p.
28	Non-metallic mineral products	38	686	204	890	26.0	157.6
29	Basic metal products	6	519	36	555	n.p.	n.p.
31	Fabricated metal products	122	1,240	367	1,607	31.6	140.8
32	Transport equipment	15	147	24	171	3.9	16.0
33	Other machinery	76	695	525	1,220	23.6	141.8
34	Miscellaneous manufacturing	49	691	449	1,140	24.6	111.9
Total, manufacturing industries		544	6,063	3,299	9,362	195.3	1,118.4

For footnotes, see end of table.

TABLE 3.3 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL SUB-DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
BLACKTOWN - BAULKHAM HILLS							
21	Food, beverages, and tobacco	58	1,883	1,081	2,964	69.1	518.8
23	Textiles	16	206	163	369	6.6	48.1
24	Clothing and footwear	22	92	316	408	4.7	17.3
25	Wood, wood products, and furniture	118	1,195	282	1,477	26.0	115.4
26	Paper, paper products, printing, and publishing	75	514	256	770	19.6	82.0
27	Chemical, petroleum, and coal products	47	1,331	715	2,046	53.0	384.7
28	Non-metallic mineral products	42	845	110	955	24.7	120.6
29	Basic metal products	8	435	32	467	n.p.	n.p.
31	Fabricated metal products	156	1,779	300	2,079	48.3	264.4
32	Transport equipment	34	354	51	405	n.p.	n.p.
33	Other machinery	124	1,299	486	1,785	41.7	174.2
34	Miscellaneous manufacturing	71	819	501	1,320	31.4	139.4
Total, manufacturing industries		771	10,752	4,293	15,045	347.9	1,940.2
LOWER NORTHERN SYDNEY							
21	Food, beverages, and tobacco	30	1,021	739	1,760	39.8	217.2
23	Textiles	16	272	266	538	n.p.	n.p.
24	Clothing and footwear	21	63	191	254	5.1	21.4
25	Wood, wood products, and furniture	76	509	171	680	12.6	51.5
26	Paper, paper products, printing, and publishing	238	2,177	2,031	4,208	107.4	384.4
27	Chemical, petroleum, and coal products	28	1,157	803	1,960	56.1	354.0
28	Non-metallic mineral products	17	358	105	463	12.1	54.8
29	Basic metal products	4	221	66	287	n.p.	n.p.
31	Fabricated metal products	65	409	137	546	11.2	48.0
32	Transport equipment	42	312	42	354	6.5	21.4
33	Other machinery	158	4,988	2,136	7,124	186.2	574.7
34	Miscellaneous manufacturing	71	699	314	1,013	22.0	98.0
Total, manufacturing industries		766	12,186	7,001	19,187	492.6	1,836.0
HORNSBY - KU-RING-GAI							
21	Food, beverages, and tobacco	24	341	236	577	12.6	81.7
23	Textiles	7	n.p.	n.p.	n.p.	0.4	4.0
24	Clothing and footwear	5	3	18	21	0.3	1.1
25	Wood, wood products, and furniture	35	121	39	160	1.9	6.5
26	Paper, paper products, printing, and publishing	59	142	132	274	5.2	32.3
27	Chemical, petroleum, and coal products	19	280	438	718	15.2	62.3
28	Non-metallic mineral products	13	71	11	82	1.8	21.0
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	41	388	182	570	13.3	48.7
32	Transport equipment	12	52	22	74	n.p.	n.p.
33	Other machinery	79	581	194	775	16.0	79.8
34	Miscellaneous manufacturing	29	600	212	812	26.0	52.9
Total, manufacturing industries		325	2,630	1,519	4,149	96.8	399.7

For footnotes, see end of table.

TABLE 3.3 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL SUB-DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
MANLY - WARRINGAH							
21	Food, beverages, and tobacco	34	247	197	444	7.5	55.1
23	Textiles	19	n.p.	n.p.	n.p.	2.1	5.9
24	Clothing and footwear	21	69	270	339	n.p.	n.p.
25	Wood, wood products, and furniture	100	496	147	643	10.8	41.4
26	Paper, paper products, printing, and publishing	140	799	600	1,399	32.0	143.1
27	Chemical, petroleum, and coal products	41	629	603	1,232	45.7	254.0
28	Non-metallic mineral products	15	75	8	83	1.7	18.5
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	139	1,197	268	1,465	27.6	123.2
32	Transport equipment	65	325	59	384	6.0	28.7
33	Other machinery	160	1,515	762	2,277	49.7	227.7
34	Miscellaneous manufacturing	111	843	534	1,377	26.0	124.2
Total, manufacturing industries		847	6,334	3,503	9,837	215.8	1,050.5
GOSFORD - WYONG							
21	Food, beverages, and tobacco	39	1,293	682	1,975	39.3	277.4
23	Textiles	10	219	121	340	n.p.	n.p.
24	Clothing and footwear	7	18	199	217	n.p.	n.p.
25	Wood, wood products, and furniture	85	669	129	798	13.5	67.4
26	Paper, paper products, printing, and publishing	32	193	155	348	6.2	21.7
27	Chemical, petroleum, and coal products	8	91	56	147	2.6	16.9
28	Non-metallic mineral products	33	217	20	237	4.1	30.0
29	Basic metal products	6	39	5	44	0.9	7.3
31	Fabricated metal products	79	579	155	734	13.3	62.2
32	Transport equipment	25	132	43	175	2.8	15.7
33	Other machinery	43	470	96	566	n.p.	n.p.
34	Miscellaneous manufacturing	37	190	104	294	5.8	19.5
Total, manufacturing industries		404	4,110	1,765	5,875	111.5	615.4
NEWCASTLE							
21	Food, beverages, and tobacco	67	1,813	1,441	3,254	59.3	469.6
23	Textiles	17	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	18	n.p.	n.p.	n.p.	19.1	57.5
25	Wood, wood products, and furniture	124	816	173	989	17.3	68.1
26	Paper, paper products, printing, and publishing	63	626	455	1,081	21.7	59.5
27	Chemical, petroleum, and coal products	20	821	86	907	28.9	261.0
28	Non-metallic mineral products	66	871	83	954	23.9	143.4
29	Basic metal products	20	10,464	558	11,022	329.8	2,295.2
31	Fabricated metal products	179	2,327	336	2,663	59.4	300.1
32	Transport equipment	34	2,024	98	2,122	49.9	134.7
33	Other machinery	118	2,643	588	3,231	77.0	323.4
34	Miscellaneous manufacturing	60	450	123	573	n.p.	n.p.
Total, manufacturing industries		786	23,588	5,635	29,223	720.2	4,257.4

For footnotes, see end of table.

TABLE 3.3 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL SUB-DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
WOLLONGONG							
21	Food, beverages, and tobacco	29	447	250	697	11.2	62.9
23	Textiles	11	55	81	136	n.p.	n.p.
24	Clothing and footwear	28	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	53	320	69	389	5.3	23.7
26	Paper, paper products, printing, and publishing	27	243	183	426	8.9	25.1
27	Chemical, petroleum, and coal products	7	153	52	205	5.8	n.p.
28	Non-metallic mineral products	33	651	84	735	18.7	125.1
29	Basic metal products	16	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	94	953	166	1,119	28.7	129.9
32	Transport equipment	25	146	18	164	3.9	15.6
33	Other machinery	67	611	152	763	16.7	108.0
34	Miscellaneous manufacturing	39	160	68	228	4.0	15.4
Total, manufacturing industries		429	18,798	3,565	22,363	591.7	3,421.7
RICHMOND - TWEED SD BALANCE							
21	Food, beverages, and tobacco	58	1,442	311	1,753	n.p.	n.p.
23	Textiles	1	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	16	72	251	323	4.9	18.8
25	Wood, wood products, and furniture	75	629	86	715	10.4	49.2
26	Paper, paper products, printing, and publishing	26	211	136	347	n.p.	n.p.
27	Chemical, petroleum, and coal products	3	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	30	n.p.	n.p.	n.p.	n.p.	n.p.
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	48	244	41	285	3.9	20.6
32	Transport equipment	20	110	18	128	n.p.	n.p.
33	Other machinery	16	137	28	165	3.1	12.4
34	Miscellaneous manufacturing	34	166	40	206	3.0	29.6
Total, manufacturing industries		329	3,186	929	4,115	72.3	353.9
CLARENCE							
21	Food, beverages, and tobacco	29	1,009	162	1,171	28.1	224.7
23	Textiles	3	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	7	12	29	41	0.6	3.1
25	Wood, wood products, and furniture	110	1,041	133	1,174	17.4	88.3
26	Paper, paper products, printing, and publishing	19	126	73	199	3.8	12.1
27	Chemical, petroleum, and coal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	32	185	26	211	3.4	26.3
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	52	309	62	371	6.3	30.2
32	Transport equipment	12	30	7	37	0.4	1.8
33	Other machinery	15	136	32	168	3.2	14.0
34	Miscellaneous manufacturing	23	59	31	90	0.9	6.0
Total, manufacturing industries		306	2,938	563	3,501	64.9	410.8

For footnotes, see end of table.

TABLE 3.3 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL SUB-DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
HASTINGS							
21	Food, beverages, and tobacco	35	737	191	928	16.3	119.7
23	Textiles	2	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	10	152	364	516	8.7	32.9
25	Wood, wood products, and furniture	79	570	82	652	9.8	47.3
26	Paper, paper products, printing, and publishing	18	125	95	220	3.7	9.6
27	Chemical, petroleum, and coal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	22	145	14	159	3.0	15.5
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	37	282	56	338	4.7	20.8
32	Transport equipment	17	390	108	498	8.5	34.7
33	Other machinery	21	283	43	326	n.p.	n.p.
34	Miscellaneous manufacturing	30	64	46	110	1.3	6.4
Total, manufacturing industries		274	2,767	1,006	3,773	62.2	311.3
NORTHERN SLOPES							
21	Food, beverages, and tobacco	31	991	275	1,266	25.1	203.9
23	Textiles	4	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	-	-	-	-	-	-
25	Wood, wood products, and furniture	44	207	31	238	3.1	15.3
26	Paper, paper products, printing, and publishing	16	106	78	184	3.5	10.8
27	Chemical, petroleum, and coal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	16	86	11	97	1.6	9.0
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	31	214	32	246	3.8	19.4
32	Transport equipment	11	370	110	480	11.1	13.1
33	Other machinery	17	57	23	80	0.9	4.5
34	Miscellaneous manufacturing	15	190	33	223	n.p.	n.p.
Total, manufacturing industries		188	2,301	617	2,918	55.6	375.8
CENTRAL MACQUARIE							
21	Food, beverages, and tobacco	28	505	109	614	12.8	62.5
23	Textiles	3	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	1	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	22	133	23	156	2.1	11.0
26	Paper, paper products, printing, and publishing	13	178	167	345	7.9	31.9
27	Chemical, petroleum, and coal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	23	89	9	98	1.8	9.0
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	28	119	24	143	2.0	9.4
32	Transport equipment	7	n.p.	n.p.	n.p.	1.0	3.6
33	Other machinery	17	129	23	152	2.2	15.0
34	Miscellaneous manufacturing	11	n.p.	n.p.	n.p.	n.p.	n.p.
Total, manufacturing industries		157	1,309	414	1,723	31.5	161.0

For footnotes, see end of table.

TABLE 3.3 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL SUB-DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
BATHURST - ORANGE							
21	Food, beverages, and tobacco	22	1,058	529	1,587	36.4	200.6
23	Textiles	2	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	3	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	30	280	42	322	5.4	40.2
26	Paper, paper products, printing, and publishing	13	149	129	278	4.7	14.1
27	Chemical, petroleum, and coal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	14	105	8	113	2.9	17.6
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	28	180	48	228	3.7	29.4
32	Transport equipment	6	280	22	302	n.p.	n.p.
33	Other machinery	13	1,391	374	1,765	n.p.	n.p.
34	Miscellaneous manufacturing	9	106	17	123	2.4	18.6
Total, manufacturing industries		143	3,708	1,355	5,063	101.2	571.6
QUEANBEYAN							
21	Food, beverages, and tobacco	4	69	12	81	n.p.	n.p.
23	Textiles	2	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	3	4	12	16	n.p.	n.p.
25	Wood, wood products, and furniture	35	153	25	178	3.3	11.7
26	Paper, paper products, printing, and publishing	12	55	25	80	1.4	4.6
27	Chemical, petroleum, and coal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	10	n.p.	n.p.	n.p.	3.1	19.6
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	33	197	39	236	4.0	18.4
32	Transport equipment	3	11	2	13	0.2	1.2
33	Other machinery	8	35	22	57	1.0	3.6
34	Miscellaneous manufacturing	4	n.p.	n.p.	n.p.	n.p.	n.p.
Total, manufacturing industries		116	678	164	842	16.0	94.6
SOUTHERN TABLELANDS (EXCL QUEANBEYAN)							
21	Food, beverages, and tobacco	23	157	60	217	3.2	29.6
23	Textiles	3	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	3	137	209	346	n.p.	n.p.
25	Wood, wood products, and furniture	21	80	20	100	n.p.	n.p.
26	Paper, paper products, printing, and publishing	10	46	46	92	1.6	4.1
27	Chemical, petroleum, and coal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	16	93	15	108	3.1	19.6
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	18	139	19	158	2.4	16.0
32	Transport equipment	6	97	1	98	n.p.	n.p.
33	Other machinery	7	n.p.	n.p.	n.p.	0.8	3.6
34	Miscellaneous manufacturing	3	18	27	45	n.p.	n.p.
Total, manufacturing industries		112	835	424	1,259	21.2	115.2

For footnotes, see end of table.

TABLE 3.3 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL SUB-DIVISIONS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
CENTRAL MURRUMBIDGEE							
21	Food, beverages, and tobacco	22	548	221	769	13.8	100.9
23	Textiles	4	215	15	230	n.p.	n.p.
24	Clothing and footwear	2	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	41	902	95	997	23.2	138.2
26	Paper, paper products, printing, and publishing	19	298	118	416	11.0	39.1
27	Chemical, petroleum, and coal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	18	83	5	88	1.7	9.3
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	25	182	46	228	n.p.	n.p.
32	Transport equipment	15	n.p.	n.p.	n.p.	4.3	10.8
33	Other machinery	13	43	19	62	1.8	5.3
34	Miscellaneous manufacturing	17	83	19	102	1.7	15.6
Total, manufacturing industries		179	2,654	633	3,287	67.5	361.1
LOWER MURRUMBIDGEE							
21	Food, beverages, and tobacco	35	1,184	307	1,491	32.0	296.4
23	Textiles	-	-	-	-	-	-
24	Clothing and footwear	-	-	-	-	-	-
25	Wood, wood products, and furniture	18	109	19	128	2.2	12.3
26	Paper, paper products, printing, and publishing	10	51	47	98	1.6	4.3
27	Chemical, petroleum, and coal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	12	56	5	61	1.0	3.8
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	13	50	19	69	n.p.	n.p.
32	Transport equipment	5	n.p.	n.p.	n.p.	0.2	0.8
33	Other machinery	14	101	20	121	2.0	9.9
34	Miscellaneous manufacturing	3	4	2	6	0.1	0.4
Total, manufacturing industries		111	1,571	424	1,995	40.2	336.2
ALBURY - WODONGA STATISTICAL DISTRICT							
21	Food, beverages, and tobacco	31	1,432	270	1,702	54.7	454.4
23	Textiles	5	186	181	367	n.p.	n.p.
24	Clothing and footwear	9	124	484	608	9.6	39.7
25	Wood, wood products, and furniture	31	279	36	315	5.9	16.7
26	Paper, paper products, printing, and publishing	23	804	213	1,017	n.p.	n.p.
27	Chemical, petroleum, and coal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	20	177	26	203	4.7	31.0
29	Basic metal products	4	n.p.	n.p.	n.p.	4.2	29.8
31	Fabricated metal products	38	527	136	663	12.9	89.8
32	Transport equipment	8	597	185	782	n.p.	n.p.
33	Other machinery	32	465	108	573	13.7	62.7
34	Miscellaneous manufacturing	15	54	31	85	1.5	10.9
Total, manufacturing industries		217	4,818	1,682	6,500	161.0	1,119.9

(a) Includes working proprietors. (b) Excludes the drawings of working proprietors.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
BOTANY (M)							
21	Food, beverages, and tobacco	28	2,559	1,144	3,703	119.5	536.4
23	Textiles	14	503	237	740	20.8	143.8
24	Clothing and footwear	7	57	37	94	2.7	9.5
25	Wood, wood products, and furniture	43	587	120	707	14.1	56.4
26	Paper, paper products, printing, and publishing	19	295	93	388	10.4	73.5
27	Chemical, petroleum, and coal products	40	1,789	411	2,200	76.7	957.7
28	Non-metallic mineral products	5	54	7	61	n.p.	n.p.
29	Basic metal products	8	313	50	363	n.p.	n.p.
31	Fabricated metal products	57	524	94	618	14.5	64.1
32	Transport equipment	12	3,373	235	3,608	n.p.	n.p.
33	Other machinery	43	760	140	900	21.7	98.1
34	Miscellaneous manufacturing	38	654	186	840	19.2	115.7
Total, manufacturing industries		314	11,468	2,754	14,222	417.8	2,374.0
LEICHHARDT (M)							
21	Food, beverages, and tobacco	19	293	242	535	9.6	36.5
23	Textiles	8	62	28	90	2.2	6.0
24	Clothing and footwear	22	311	922	1,233	21.4	82.8
25	Wood, wood products, and furniture	53	291	55	346	6.4	29.3
26	Paper, paper products, printing, and publishing	64	553	267	820	18.2	89.2
27	Chemical, petroleum, and coal products	12	635	211	846	23.4	210.0
28	Non-metallic mineral products	5	17	8	25	n.p.	n.p.
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	33	274	60	334	7.4	39.2
32	Transport equipment	13	1,726	90	1,816	n.p.	n.p.
33	Other machinery	39	371	154	525	11.7	39.6
34	Miscellaneous manufacturing	29	322	164	486	10.2	40.0
Total, manufacturing industries		297	4,855	2,201	7,056	157.8	665.0
MARRICKVILLE (M)							
21	Food, beverages, and tobacco	42	621	322	943	20.0	149.7
23	Textiles	18	181	98	279	5.8	25.0
24	Clothing and footwear	131	616	1,530	2,146	33.0	156.3
25	Wood, wood products, and furniture	64	481	107	588	10.1	44.4
26	Paper, paper products, printing, and publishing	86	837	360	1,197	27.4	100.7
27	Chemical, petroleum, and coal products	11	173	254	427	7.9	69.6
28	Non-metallic mineral products	4	29	5	34	n.p.	n.p.
29	Basic metal products	7	114	8	122	n.p.	n.p.
31	Fabricated metal products	77	903	294	1,197	26.2	88.1
32	Transport equipment	6	573	88	661	n.p.	n.p.
33	Other machinery	75	1,438	405	1,843	39.2	133.8
34	Miscellaneous manufacturing	47	498	411	909	18.5	84.6
Total, manufacturing industries		568	6,464	3,882	10,346	206.4	911.3

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
SYDNEY (C)							
21	Food, beverages, and tobacco	41	2,500	905	3,405	111.8	594.8
23	Textiles	28	362	189	551	12.9	38.3
24	Clothing and footwear	339	1,888	4,171	6,059	107.9	647.3
25	Wood, wood products, and furniture	67	743	174	917	20.0	104.6
26	Paper, paper products, printing, and publishing	334	9,668	4,723	14,391	408.9	1,799.0
27	Chemical, petroleum, and coal products	27	310	113	423	11.0	69.1
28	Non-metallic mineral products	16	1,372	110	1,482	44.9	210.4
29	Basic metal products	17	967	238	1,205	42.1	105.5
31	Fabricated metal products	83	1,106	258	1,364	29.9	101.5
32	Transport equipment	14	3,807	244	4,051	103.6	219.9
33	Other machinery	137	5,259	2,428	7,687	187.8	715.6
34	Miscellaneous manufacturing	199	1,679	972	2,651	53.4	232.0
Total, manufacturing industries		1,302	29,661	14,525	44,186	1,134.3	4,838.1
RANDWICK (M)							
21	Food, beverages, and tobacco	16	78	53	131	1.4	7.0
23	Textiles	-	-	-	-	-	-
24	Clothing and footwear	14	30	152	182	n.p.	n.p.
25	Wood, wood products, and furniture	13	18	7	25	0.1	0.7
26	Paper, paper products, printing, and publishing	26	441	65	506	15.1	89.1
27	Chemical, petroleum, and coal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	4	10	4	14	n.p.	n.p.
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	14	129	14	143	3.0	7.9
32	Transport equipment	2	n.p.	n.p.	n.p.	n.p.	n.p.
33	Other machinery	12	88	44	132	n.p.	n.p.
34	Miscellaneous manufacturing	13	28	14	42	0.4	1.5
Total, manufacturing industries		117	935	361	1,296	30.5	246.1
WAVERLEY (M)							
21	Food, beverages, and tobacco	9	51	25	76	1.2	5.0
23	Textiles	3	12	7	19	n.p.	n.p.
24	Clothing and footwear	6	3	9	12	0.2	0.7
25	Wood, wood products, and furniture	12	40	12	52	0.7	2.2
26	Paper, paper products, printing, and publishing	16	36	30	66	1.0	3.5
27	Chemical, petroleum, and coal products	-	-	-	-	-	-
28	Non-metallic mineral products	6	n.p.	n.p.	n.p.	0.3	1.3
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	3	7	2	9	n.p.	n.p.
32	Transport equipment	1	n.p.	n.p.	n.p.	n.p.	n.p.
33	Other machinery	12	41	20	61	1.0	2.5
34	Miscellaneous manufacturing	6	8	7	15	0.1	0.3
Total, manufacturing industries		74	221	124	345	5.3	19.2

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
WOOLLAHRA (M)							
21	Food, beverages, and tobacco	4	9	19	28	0.3	0.7
23	Textiles	2	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	4	3	12	15	n.p.	n.p.
25	Wood, wood products, and furniture	10	24	9	33	0.4	1.8
26	Paper, paper products, printing, and publishing	20	54	96	150	2.3	9.6
27	Chemical, petroleum, and coal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	2	n.p.	n.p.	n.p.	n.p.	n.p.
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	4	5	3	8	n.p.	n.p.
32	Transport equipment	4	13	11	24	n.p.	n.p.
33	Other machinery	8	21	10	31	0.5	2.1
34	Miscellaneous manufacturing	11	32	20	52	0.7	2.4
Total, manufacturing industries		71	171	193	364	4.9	20.2
HURSTVILLE (M)							
21	Food, beverages, and tobacco	12	310	178	488	n.p.	n.p.
23	Textiles	4	n.p.	n.p.	n.p.	0.5	1.7
24	Clothing and footwear	10	14	103	117	1.7	5.9
25	Wood, wood products, and furniture	55	318	64	382	6.7	25.7
26	Paper, paper products, printing, and publishing	39	304	152	456	9.6	46.5
27	Chemical, petroleum, and coal products	7	28	26	54	0.9	4.8
28	Non-metallic mineral products	6	n.p.	n.p.	n.p.	n.p.	n.p.
29	Basic metal products	7	n.p.	n.p.	n.p.	1.4	4.4
31	Fabricated metal products	88	887	242	1,129	23.7	96.5
32	Transport equipment	15	87	33	120	n.p.	n.p.
33	Other machinery	74	864	459	1,323	29.8	93.3
34	Miscellaneous manufacturing	24	165	181	346	6.5	31.4
Total, manufacturing industries		341	3,086	1,459	4,545	93.7	400.1
KOGARAH (M)							
21	Food, beverages, and tobacco	4	22	5	27	n.p.	n.p.
23	Textiles	1	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	8	6	20	26	0.2	1.1
25	Wood, wood products, and furniture	19	76	11	87	1.6	5.3
26	Paper, paper products, printing, and publishing	16	88	63	151	2.7	12.3
27	Chemical, petroleum, and coal products	3	23	18	41	0.7	5.4
28	Non-metallic mineral products	4	n.p.	n.p.	n.p.	0.3	6.5
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	28	154	46	200	3.5	13.6
32	Transport equipment	11	58	14	72	1.0	3.2
33	Other machinery	20	75	34	109	2.2	7.8
34	Miscellaneous manufacturing	14	129	133	262	5.3	19.5
Total, manufacturing industries		129	665	350	1,015	18.6	76.9

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
ROCKDALE (M)							
21	Food, beverages, and tobacco	12	501	421	922	n.p.	n.p.
23	Textiles	9	90	41	131	2.7	17.2
24	Clothing and footwear	28	115	294	409	6.0	20.6
25	Wood, wood products, and furniture	39	597	132	729	16.6	72.4
26	Paper, paper products, printing, and publishing	19	127	98	225	4.3	22.9
27	Chemical, petroleum, and coal products	8	191	103	294	8.0	51.8
28	Non-metallic mineral products	6	13	5	18	n.p.	n.p.
29	Basic metal products	6	159	46	205	n.p.	n.p.
31	Fabricated metal products	41	611	239	850	18.1	61.1
32	Transport equipment	9	392	136	528	n.p.	n.p.
33	Other machinery	48	338	74	412	8.5	33.6
34	Miscellaneous manufacturing	30	352	189	541	10.8	36.8
Total, manufacturing industries		255	3,486	1,778	5,264	115.5	559.0
SUTHERLAND (S)							
21	Food, beverages, and tobacco	23	281	216	497	8.4	43.0
23	Textiles	12	66	34	100	n.p.	n.p.
24	Clothing and footwear	14	37	75	112	1.7	6.2
25	Wood, wood products, and furniture	80	848	221	1,069	22.4	106.8
26	Paper, paper products, printing, and publishing	50	158	96	254	4.6	19.6
27	Chemical, petroleum, and coal products	14	1,246	324	1,570	56.7	253.1
28	Non-metallic mineral products	19	375	44	419	8.8	58.8
29	Basic metal products	10	329	88	417	n.p.	n.p.
31	Fabricated metal products	114	1,530	352	1,882	40.9	161.1
32	Transport equipment	38	285	76	361	6.5	57.9
33	Other machinery	93	737	257	994	21.8	77.0
34	Miscellaneous manufacturing	73	537	335	872	16.8	68.7
Total, manufacturing industries		540	6,429	2,118	8,547	200.0	915.0
BANKSTOWN (C)							
21	Food, beverages, and tobacco	35	911	490	1,401	28.6	156.2
23	Textiles	13	204	163	367	7.7	37.6
24	Clothing and footwear	47	353	605	958	15.9	64.3
25	Wood, wood products, and furniture	128	1,823	545	2,368	51.9	217.5
26	Paper, paper products, printing, and publishing	67	1,573	700	2,273	54.5	275.0
27	Chemical, petroleum, and coal products	40	1,737	769	2,506	74.7	630.9
28	Non-metallic mineral products	9	518	47	565	13.5	47.1
29	Basic metal products	19	701	88	789	n.p.	n.p.
31	Fabricated metal products	201	3,709	1,087	4,796	104.4	515.3
32	Transport equipment	55	4,639	375	5,014	n.p.	n.p.
33	Other machinery	167	4,158	1,221	5,379	119.7	489.7
34	Miscellaneous manufacturing	76	1,179	668	1,847	40.5	223.5
Total, manufacturing industries		857	21,505	6,758	28,263	635.1	3,148.0

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
CANTERBURY (M)							
21	Food, beverages, and tobacco	25	306	224	530	10.4	40.4
23	Textiles	13	276	166	442	9.6	46.5
24	Clothing and footwear	47	355	936	1,291	17.6	100.1
25	Wood, wood products, and furniture	50	448	87	535	8.8	40.7
26	Paper, paper products, printing, and publishing	32	490	193	683	15.6	55.6
27	Chemical, petroleum, and coal products	6	71	72	143	3.5	14.6
28	Non-metallic mineral products	6	120	13	133	2.9	9.5
29	Basic metal products	3	17	3	20	n.p.	n.p.
31	Fabricated metal products	71	735	178	913	16.8	61.0
32	Transport equipment	7	160	10	170	n.p.	n.p.
33	Other machinery	53	1,895	505	2,400	54.9	216.4
34	Miscellaneous manufacturing	27	332	232	564	10.9	70.9
Total, manufacturing industries		340	5,205	2,619	7,824	155.0	671.6
FAIRFIELD (C)							
21	Food, beverages, and tobacco	30	582	253	835	14.9	74.7
23	Textiles	7	66	67	133	2.2	17.4
24	Clothing and footwear	79	219	831	1,050	11.9	47.4
25	Wood, wood products, and furniture	72	1,446	405	1,851	34.9	191.0
26	Paper, paper products, printing, and publishing	25	744	151	895	20.3	189.9
27	Chemical, petroleum, and coal products	20	414	213	627	16.0	158.3
28	Non-metallic mineral products	24	985	131	1,116	30.3	167.4
29	Basic metal products	12	494	61	555	16.1	112.6
31	Fabricated metal products	131	1,425	318	1,743	35.2	129.9
32	Transport equipment	21	1,254	121	1,375	38.7	161.9
33	Other machinery	82	1,112	192	1,304	29.2	162.4
34	Miscellaneous manufacturing	35	814	335	1,149	28.5	228.5
Total, manufacturing industries		538	9,555	3,078	12,633	278.3	1,641.3
LIVERPOOL (C)							
21	Food, beverages, and tobacco	33	962	605	1,567	31.5	225.9
23	Textiles	6	243	179	422	9.7	80.9
24	Clothing and footwear	20	24	104	128	1.9	9.5
25	Wood, wood products, and furniture	61	611	182	793	15.2	61.8
26	Paper, paper products, printing, and publishing	22	545	210	755	19.6	213.3
27	Chemical, petroleum, and coal products	5	38	22	60	1.2	3.5
28	Non-metallic mineral products	16	349	119	468	12.0	58.6
29	Basic metal products	8	219	64	283	5.2	20.0
31	Fabricated metal products	99	1,075	202	1,277	33.5	133.2
32	Transport equipment	17	613	70	683	17.8	69.4
33	Other machinery	67	1,811	714	2,525	55.5	364.8
34	Miscellaneous manufacturing	40	575	220	795	16.7	108.6
Total, manufacturing industries		394	7,065	2,691	9,756	219.8	1,349.6

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
CAMPBELLTOWN (C)							
21	Food, beverages, and tobacco	14	107	127	234	n.p.	n.p.
23	Textiles	6	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	6	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	27	256	115	371	5.9	22.3
26	Paper, paper products, printing, and publishing	15	250	169	419	10.1	35.1
27	Chemical, petroleum, and coal products	5	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	8	18	1	19	n.p.	n.p.
29	Basic metal products	3	170	22	192	n.p.	n.p.
31	Fabricated metal products	49	380	72	452	7.5	34.8
32	Transport equipment	4	n.p.	n.p.	n.p.	2.1	5.1
33	Other machinery	34	1,120	316	1,436	33.3	143.7
34	Miscellaneous manufacturing	19	323	264	587	10.7	54.8
Total, manufacturing industries		190	3,051	1,406	4,457	91.1	556.3
ASHFIELD (M)							
21	Food, beverages, and tobacco	10	286	209	495	n.p.	n.p.
23	Textiles	1	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	8	10	68	78	1.0	3.3
25	Wood, wood products, and furniture	12	49	6	55	0.9	3.5
26	Paper, paper products, printing, and publishing	11	36	21	57	1.0	3.7
27	Chemical, petroleum, and coal products	-	-	-	-	-	-
28	Non-metallic mineral products	1	n.p.	n.p.	n.p.	n.p.	n.p.
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	11	47	14	61	0.9	3.1
32	Transport equipment	-	n.p.	n.p.	n.p.	n.p.	n.p.
33	Other machinery	14	568	474	1,042	n.p.	n.p.
34	Miscellaneous manufacturing	6	n.p.	n.p.	n.p.	n.p.	n.p.
Total, manufacturing industries		76	1,102	897	1,999	37.6	196.5
CONCORD (M)							
21	Food, beverages, and tobacco	11	1,029	623	1,652	42.0	217.3
23	Textiles	2	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	2	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	8	38	8	46	0.7	2.9
26	Paper, paper products, printing, and publishing	8	288	228	516	12.7	43.5
27	Chemical, petroleum, and coal products	12	1,420	326	1,746	53.2	368.1
28	Non-metallic mineral products	2	n.p.	n.p.	n.p.	n.p.	n.p.
29	Basic metal products	4	250	7	257	n.p.	n.p.
31	Fabricated metal products	13	77	20	97	2.1	7.3
32	Transport equipment	4	n.p.	n.p.	n.p.	n.p.	n.p.
33	Other machinery	20	305	44	349	n.p.	n.p.
34	Miscellaneous manufacturing	10	232	132	364	n.p.	n.p.
Total, manufacturing industries		96	3,809	1,434	5,243	140.6	804.3

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
DRUMMOYNE (M)							
21	Food, beverages, and tobacco	7	117	77	194	n.p.	n.p.
23	Textiles	3	185	52	237	n.p.	n.p.
24	Clothing and footwear	7	9	47	56	0.8	2.6
25	Wood, wood products, and furniture	12	52	8	60	1.0	4.9
26	Paper, paper products, printing, and publishing	10	84	35	119	3.1	9.0
27	Chemical, petroleum, and coal products	-	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	1	n.p.	n.p.	n.p.	n.p.	n.p.
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	9	392	71	463	n.p.	n.p.
32	Transport equipment	5	19	2	21	0.5	1.0
33	Other machinery	3	17	7	24	n.p.	n.p.
34	Miscellaneous manufacturing	6	33	18	51	1.2	6.7
Total, manufacturing industries		65	1,231	343	1,574	40.1	289.4
STRATHFIELD (M)							
21	Food, beverages, and tobacco	7	236	74	310	n.p.	n.p.
23	Textiles	1	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	4	n.p.	n.p.	n.p.	0.8	3.3
25	Wood, wood products, and furniture	8	99	9	108	2.0	15.3
26	Paper, paper products, printing, and publishing	13	325	84	409	8.8	38.6
27	Chemical, petroleum, and coal products	6	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	9	211	18	229	4.9	21.4
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	17	145	25	170	3.7	14.2
32	Transport equipment	7	681	37	718	n.p.	n.p.
33	Other machinery	14	330	194	524	12.2	56.7
34	Miscellaneous manufacturing	16	256	53	309	8.0	51.3
Total, manufacturing industries		104	2,550	591	3,141	73.6	398.4
AUBURN (M)							
21	Food, beverages, and tobacco	29	1,639	339	1,978	69.2	478.5
23	Textiles	10	197	137	334	7.7	47.0
24	Clothing and footwear	10	22	67	89	1.0	3.6
25	Wood, wood products, and furniture	27	637	156	793	19.0	85.6
26	Paper, paper products, printing, and publishing	32	612	283	895	21.3	91.6
27	Chemical, petroleum, and coal products	9	429	216	645	16.8	148.9
28	Non-metallic mineral products	11	319	76	395	11.6	53.7
29	Basic metal products	7	457	36	493	n.p.	n.p.
31	Fabricated metal products	64	1,148	262	1,410	29.6	171.0
32	Transport equipment	15	922	71	993	n.p.	n.p.
33	Other machinery	53	1,889	641	2,530	53.6	249.4
34	Miscellaneous manufacturing	32	926	375	1,301	32.0	165.5
Total, manufacturing industries		299	9,197	2,659	11,856	295.4	1,828.8

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
HOLROYD (M)							
21	Food, beverages, and tobacco	34	1,444	1,015	2,459	48.8	442.4
23	Textiles	8	211	183	394	8.5	41.6
24	Clothing and footwear	12	190	632	822	14.1	57.9
25	Wood, wood products, and furniture	61	1,039	191	1,230	25.7	113.0
26	Paper, paper products, printing, and publishing	22	166	63	229	5.2	21.0
27	Chemical, petroleum, and coal products	16	289	170	459	10.8	255.9
28	Non-metallic mineral products	13	192	39	231	6.3	35.7
29	Basic metal products	8	1,165	95	1,260	n.p.	n.p.
31	Fabricated metal products	74	1,432	192	1,624	40.5	177.5
32	Transport equipment	18	187	34	221	n.p.	n.p.
33	Other machinery	64	1,237	410	1,647	36.8	174.3
34	Miscellaneous manufacturing	47	659	224	883	21.3	127.5
Total, manufacturing industries		377	8,211	3,248	11,459	263.3	1,827.5
PARRAMATTA (C)							
21	Food, beverages, and tobacco	32	2,321	1,414	3,735	99.1	616.5
23	Textiles	10	156	52	208	5.4	35.7
24	Clothing and footwear	17	195	957	1,152	18.9	77.3
25	Wood, wood products, and furniture	32	267	41	308	5.6	29.4
26	Paper, paper products, printing, and publishing	49	855	456	1,311	30.6	116.3
27	Chemical, petroleum, and coal products	27	2,291	1,425	3,716	119.3	760.1
28	Non-metallic mineral products	16	1,183	122	1,305	35.4	148.0
29	Basic metal products	14	1,087	203	1,290	36.8	320.8
31	Fabricated metal products	64	1,571	340	1,911	52.5	296.2
32	Transport equipment	14	1,125	114	1,239	28.2	152.2
33	Other machinery	87	1,660	551	2,211	50.4	230.6
34	Miscellaneous manufacturing	35	898	266	1,164	31.0	153.6
Total, manufacturing industries		397	13,609	5,941	19,550	513.2	2,936.6
BLUE MOUNTAINS (C)							
21	Food, beverages, and tobacco	6	18	16	34	0.3	1.5
23	Textiles	1	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	4	1	12	13	0.1	0.4
25	Wood, wood products, and furniture	14	70	13	83	1.1	4.1
26	Paper, paper products, printing, and publishing	15	64	55	119	n.p.	n.p.
27	Chemical, petroleum, and coal products	3	n.p.	n.p.	n.p.	-	0.3
28	Non-metallic mineral products	8	12	2	14	n.p.	n.p.
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	9	14	5	19	0.1	0.6
32	Transport equipment	1	n.p.	n.p.	n.p.	n.p.	n.p.
33	Other machinery	9	38	74	112	1.9	5.9
34	Miscellaneous manufacturing	11	41	26	67	n.p.	n.p.
Total, manufacturing industries		81	268	216	484	6.8	30.1

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
HAWKESBURY (S)							
21	Food, beverages, and tobacco	10	72	28	100	1.6	15.5
23	Textiles	2	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	10	91	356	447	6.8	22.7
25	Wood, wood products, and furniture	18	267	69	336	5.3	50.8
26	Paper, paper products, printing, and publishing	9	223	197	420	n.p.	n.p.
27	Chemical, petroleum, and coal products	5	n.p.	n.p.	n.p.	0.3	1.3
28	Non-metallic mineral products	9	45	5	50	n.p.	n.p.
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	16	52	15	67	0.7	2.8
32	Transport equipment	3	n.p.	n.p.	n.p.	n.p.	n.p.
33	Other machinery	10	55	18	73	1.3	4.2
34	Miscellaneous manufacturing	5	8	6	14	0.1	0.5
Total, manufacturing industries		97	837	707	1,544	26.8	162.0
PENRITH (C)							
21	Food, beverages, and tobacco	18	184	65	249	4.6	64.0
23	Textiles	11	176	191	367	n.p.	n.p.
24	Clothing and footwear	21	50	249	299	3.7	10.2
25	Wood, wood products, and furniture	54	451	109	560	9.6	56.6
26	Paper, paper products, printing, and publishing	28	117	70	187	3.4	13.8
27	Chemical, petroleum, and coal products	9	276	242	518	n.p.	n.p.
28	Non-metallic mineral products	21	629	197	826	24.7	141.8
29	Basic metal products	6	519	36	555	n.p.	n.p.
31	Fabricated metal products	97	1,174	347	1,521	30.8	137.3
32	Transport equipment	11	138	20	158	3.8	15.5
33	Other machinery	57	602	433	1,035	20.3	131.7
34	Miscellaneous manufacturing	33	642	417	1,059	n.p.	n.p.
Total, manufacturing industries		366	4,958	2,376	7,334	161.7	926.4
BAULKHAM HILLS (S)							
21	Food, beverages, and tobacco	21	475	242	717	15.5	120.9
23	Textiles	6	22	42	64	1.1	5.1
24	Clothing and footwear	8	46	155	201	n.p.	n.p.
25	Wood, wood products, and furniture	33	183	45	228	4.2	13.8
26	Paper, paper products, printing, and publishing	45	370	181	551	15.2	64.7
27	Chemical, petroleum, and coal products	18	602	488	1,090	27.2	198.0
28	Non-metallic mineral products	6	10	7	17	0.2	0.9
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	38	147	51	198	3.2	14.6
32	Transport equipment	7	70	13	83	n.p.	n.p.
33	Other machinery	46	118	81	199	3.1	20.4
34	Miscellaneous manufacturing	41	484	290	774	17.8	65.8
Total, manufacturing industries		269	2,527	1,595	4,122	93.6	523.2

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
BLACKTOWN (C)							
21	Food, beverages, and tobacco	37	1,408	839	2,247	53.7	397.9
23	Textiles	10	184	121	305	5.5	43.0
24	Clothing and footwear	14	46	161	207	n.p.	n.p.
25	Wood, wood products, and furniture	85	1,012	237	1,249	21.9	101.6
26	Paper, paper products, printing, and publishing	30	144	75	219	4.4	17.3
27	Chemical, petroleum, and coal products	29	729	227	956	25.9	186.7
28	Non-metallic mineral products	36	835	103	938	24.5	119.7
29	Basic metal products	8	435	32	467	n.p.	n.p.
31	Fabricated metal products	118	1,632	249	1,881	45.1	249.8
32	Transport equipment	27	284	38	322	6.4	27.0
33	Other machinery	78	1,181	405	1,586	38.5	153.8
34	Miscellaneous manufacturing	30	335	211	546	13.5	73.6
Total, manufacturing industries		502	8,225	2,698	10,923	254.3	1,417.0
LANE COVE (M)							
21	Food, beverages, and tobacco	3	449	332	781	n.p.	n.p.
23	Textiles	1	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	-	-	-	-	-	-
25	Wood, wood products, and furniture	8	16	8	24	0.2	1.0
26	Paper, paper products, printing, and publishing	12	356	157	513	n.p.	n.p.
27	Chemical, petroleum, and coal products	5	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	2	n.p.	n.p.	n.p.	n.p.	n.p.
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	8	54	11	65	1.3	5.1
32	Transport equipment	3	n.p.	n.p.	n.p.	n.p.	n.p.
33	Other machinery	18	703	599	1,302	32.0	92.7
34	Miscellaneous manufacturing	6	25	19	44	0.6	2.4
Total, manufacturing industries		66	1,908	1,361	3,269	87.1	320.5
NORTH SYDNEY (M)							
21	Food, beverages, and tobacco	5	78	75	153	3.3	1.9
23	Textiles	3	19	2	21	n.p.	n.p.
24	Clothing and footwear	6	26	57	83	1.4	5.4
25	Wood, wood products, and furniture	10	58	28	86	2.3	3.3
26	Paper, paper products, printing, and publishing	106	560	582	1,142	28.6	110.4
27	Chemical, petroleum, and coal products	4	208	87	295	n.p.	n.p.
28	Non-metallic mineral products	-	n.p.	n.p.	n.p.	n.p.	n.p.
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	4	n.p.	n.p.	n.p.	n.p.	n.p.
32	Transport equipment	14	116	10	126	2.5	7.3
33	Other machinery	31	332	156	488	14.9	18.3
34	Miscellaneous manufacturing	12	62	34	96	2.2	5.4
Total, manufacturing industries		196	1,709	1,124	2,833	84.1	171.7

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
RYDE (M)							
21	Food, beverages, and tobacco	9	207	164	371	n.p.	n.p.
23	Textiles	2	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	6	24	108	132	n.p.	n.p.
25	Wood, wood products, and furniture	28	285	43	328	5.6	24.5
26	Paper, paper products, printing, and publishing	27	604	844	1,448	39.0	120.5
27	Chemical, petroleum, and coal products	13	764	624	1,388	39.4	277.6
28	Non-metallic mineral products	6	17	6	23	0.3	3.7
29	Basic metal products	3	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	29	145	48	193	3.4	11.8
32	Transport equipment	8	76	9	85	1.9	3.5
33	Other machinery	58	2,916	1,148	4,064	105.8	352.3
34	Miscellaneous manufacturing	23	386	167	553	12.4	58.7
Total, manufacturing industries		212	5,447	3,170	8,617	216.4	899.6
WILLOUGHBY (M)							
21	Food, beverages, and tobacco	9	269	155	424	n.p.	n.p.
23	Textiles	6	42	46	88	1.6	4.3
24	Clothing and footwear	6	9	19	28	n.p.	n.p.
25	Wood, wood products, and furniture	26	146	85	231	4.5	22.2
26	Paper, paper products, printing, and publishing	82	638	432	1,070	25.7	117.1
27	Chemical, petroleum, and coal products	6	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	7	285	41	326	8.7	46.3
29	Basic metal products	-	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	22	183	75	258	6.0	25.4
32	Transport equipment	12	88	16	104	1.6	7.7
33	Other machinery	48	915	197	1,112	28.2	110.6
34	Miscellaneous manufacturing	26	216	88	304	6.5	29.4
Total, manufacturing industries		250	2,909	1,219	4,128	97.3	423.0
HORNSBY (\$)							
21	Food, beverages, and tobacco	15	320	204	524	12.2	79.9
23	Textiles	6	16	16	32	n.p.	n.p.
24	Clothing and footwear	3	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	27	104	29	133	1.8	5.7
26	Paper, paper products, printing, and publishing	34	87	75	162	2.9	11.0
27	Chemical, petroleum, and coal products	16	276	435	711	n.p.	n.p.
28	Non-metallic mineral products	11	n.p.	n.p.	n.p.	n.p.	n.p.
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	38	352	166	518	n.p.	n.p.
32	Transport equipment	8	48	22	70	n.p.	n.p.
33	Other machinery	60	494	150	644	13.0	69.9
34	Miscellaneous manufacturing	19	326	124	450	10.0	52.0
Total, manufacturing industries		239	2,105	1,243	3,348	70.1	362.3

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
KU-RING-GAI (M)							
21	Food, beverages, and tobacco	9	21	32	53	0.5	1.7
23	Textiles	1	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	2	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	8	17	10	27	0.1	0.8
26	Paper, paper products, printing, and publishing	25	55	57	112	2.3	21.2
27	Chemical, petroleum, and coal products	3	4	3	7	n.p.	n.p.
28	Non-metallic mineral products	2	n.p.	n.p.	n.p.	n.p.	n.p.
29	Basic metal products	-	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	3	36	16	52	n.p.	n.p.
32	Transport equipment	4	4	-	4	-	0.2
33	Other machinery	19	87	44	131	3.0	10.0
34	Miscellaneous manufacturing	10	274	88	362	16.0	0.9
Total, manufacturing industries		86	525	276	801	26.7	37.4
WARRINGAH (S)							
21	Food, beverages, and tobacco	25	221	177	398	7.0	52.5
23	Textiles	16	56	42	98	1.6	4.7
24	Clothing and footwear	19	n.p.	n.p.	n.p.	4.9	19.4
25	Wood, wood products, and furniture	93	487	144	631	10.8	41.1
26	Paper, paper products, printing, and publishing	113	601	381	982	20.5	96.1
27	Chemical, petroleum, and coal products	37	532	441	973	n.p.	n.p.
28	Non-metallic mineral products	14	n.p.	n.p.	n.p.	n.p.	n.p.
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	132	1,191	264	1,455	27.5	122.6
32	Transport equipment	62	315	55	370	5.8	28.5
33	Other machinery	151	1,489	743	2,232	48.9	224.7
34	Miscellaneous manufacturing	105	828	527	1,355	25.7	123.2
Total, manufacturing industries		769	5,932	3,051	8,983	195.6	961.6
GOSFORD (C)							
21	Food, beverages, and tobacco	21	1,184	635	1,819	37.1	256.4
23	Textiles	3	207	105	312	n.p.	n.p.
24	Clothing and footwear	3	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	44	371	66	437	7.4	38.2
26	Paper, paper products, printing, and publishing	22	146	131	277	5.2	19.3
27	Chemical, petroleum, and coal products	4	16	17	33	n.p.	n.p.
28	Non-metallic mineral products	15	118	11	129	2.7	16.4
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	36	190	59	249	4.0	24.9
32	Transport equipment	17	71	11	82	n.p.	n.p.
33	Other machinery	26	179	42	221	n.p.	n.p.
34	Miscellaneous manufacturing	18	87	79	166	1.7	5.6
Total, manufacturing industries		210	2,577	1,166	3,743	71.9	421.6

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
WYONG (\$)							
21	Food, beverages, and tobacco	18	109	47	156	2.2	21.0
23	Textiles	7	12	16	28	0.3	1.2
24	Clothing and footwear	4	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	41	298	63	361	6.1	29.3
26	Paper, paper products, printing, and publishing	10	47	24	71	1.1	2.5
27	Chemical, petroleum, and coal products	4	75	39	114	n.p.	n.p.
28	Non-metallic mineral products	18	99	9	108	1.4	13.6
29	Basic metal products	5	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	43	389	96	485	9.3	37.3
32	Transport equipment	8	61	32	93	n.p.	n.p.
33	Other machinery	17	291	54	345	7.5	36.5
34	Miscellaneous manufacturing	19	103	25	128	4.1	13.9
Total, manufacturing industries		194	1,533	599	2,132	39.7	193.8
LAKE MACQUARIE (C)							
21	Food, beverages, and tobacco	13	619	287	906	17.7	149.3
23	Textiles	4	11	5	16	0.2	0.6
24	Clothing and footwear	2	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	42	236	47	283	5.0	22.9
26	Paper, paper products, printing, and publishing	14	131	71	202	3.7	13.3
27	Chemical, petroleum, and coal products	3	51	4	55	n.p.	n.p.
28	Non-metallic mineral products	20	143	15	158	3.5	29.4
29	Basic metal products	5	602	45	647	n.p.	n.p.
31	Fabricated metal products	67	693	96	789	15.9	66.6
32	Transport equipment	8	n.p.	n.p.	n.p.	n.p.	n.p.
33	Other machinery	34	497	79	576	12.7	83.6
34	Miscellaneous manufacturing	16	121	50	171	3.1	15.2
Total, manufacturing industries		228	3,663	754	4,417	93.9	579.5
NEWCASTLE (C)							
21	Food, beverages, and tobacco	22	759	899	1,658	30.9	246.9
23	Textiles	7	188	200	388	n.p.	n.p.
24	Clothing and footwear	7	54	414	468	n.p.	n.p.
25	Wood, wood products, and furniture	40	207	63	270	4.5	19.8
26	Paper, paper products, printing, and publishing	35	404	285	689	14.7	37.8
27	Chemical, petroleum, and coal products	14	741	79	820	26.3	242.6
28	Non-metallic mineral products	22	535	43	578	15.3	81.6
29	Basic metal products	12	8,085	407	8,492	253.6	1,309.9
31	Fabricated metal products	57	1,183	176	1,359	33.1	198.4
32	Transport equipment	17	1,091	42	1,133	n.p.	n.p.
33	Other machinery	55	1,638	424	2,062	50.7	172.3
34	Miscellaneous manufacturing	28	254	57	311	6.0	16.2
Total, manufacturing industries		316	15,139	3,089	18,228	477.9	2,459.2

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
WOLLONGONG (C)							
21	Food, beverages, and tobacco	23	422	229	651	10.7	61.0
23	Textiles	9	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	25	90	1,127	1,217	n.p.	n.p.
25	Wood, wood products, and furniture	44	280	60	340	4.6	19.9
26	Paper, paper products, printing, and publishing	17	199	141	340	7.9	21.0
27	Chemical, petroleum, and coal products	7	153	52	205	n.p.	n.p.
28	Non-metallic mineral products	26	616	79	695	17.6	114.2
29	Basic metal products	16	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	78	848	140	988	26.7	120.4
32	Transport equipment	24	n.p.	n.p.	n.p.	n.p.	n.p.
33	Other machinery	61	602	144	746	16.4	106.9
34	Miscellaneous manufacturing	35	152	65	217	n.p.	n.p.
Total, manufacturing industries		365	18,504	3,020	21,524	578.6	3,358.6
LISMORE (C)							
21	Food, beverages, and tobacco	21	355	159	514	8.5	61.4
23	Textiles	-	-	-	-	-	-
24	Clothing and footwear	6	39	189	228	n.p.	n.p.
25	Wood, wood products, and furniture	17	183	25	208	2.6	10.8
26	Paper, paper products, printing, and publishing	6	134	88	222	n.p.	n.p.
27	Chemical, petroleum, and coal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	8	58	5	63	0.9	4.7
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	17	127	19	146	2.3	12.5
32	Transport equipment	5	n.p.	n.p.	n.p.	0.4	1.2
33	Other machinery	10	109	20	129	2.5	9.7
34	Miscellaneous manufacturing	10	59	23	82	1.5	6.3
Total, manufacturing industries		101	1,084	534	1,618	26.6	133.2
COFFS HARBOUR (C)							
21	Food, beverages, and tobacco	6	54	25	79	1.6	6.1
23	Textiles	2	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	4	10	23	33	n.p.	n.p.
25	Wood, wood products, and furniture	42	418	38	456	6.9	30.9
26	Paper, paper products, printing, and publishing	7	70	35	105	2.1	6.8
27	Chemical, petroleum, and coal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	14	81	14	95	1.6	8.9
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	31	231	44	275	5.2	24.5
32	Transport equipment	3	10	1	11	0.1	0.5
33	Other machinery	8	113	21	134	2.9	12.9
34	Miscellaneous manufacturing	13	40	17	57	0.7	5.1
Total, manufacturing industries		132	1,052	224	1,276	22.2	101.1

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
GREATER TAREE (C)							
21	Food, beverages, and tobacco	12	337	75	412	6.5	48.7
23	Textiles	1	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	4	n.p.	n.p.	n.p.	4.4	13.9
25	Wood, wood products, and furniture	23	200	37	237	3.8	18.3
26	Paper, paper products, printing, and publishing	4	49	41	90	1.5	3.7
27	Chemical, petroleum, and coal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	6	30	2	32	0.5	3.0
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	12	85	20	105	1.6	6.5
32	Transport equipment	13	348	105	453	n.p.	n.p.
33	Other machinery	8	66	11	77	1.1	3.4
34	Miscellaneous manufacturing	11	36	19	55	1.0	4.6
Total, manufacturing industries		96	1,203	535	1,738	28.4	135.9
HASTINGS (M)							
21	Food, beverages, and tobacco	16	182	85	267	n.p.	n.p.
23	Textiles	1	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	1	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	36	273	38	311	4.8	22.4
26	Paper, paper products, printing, and publishing	10	45	30	75	1.3	3.8
27	Chemical, petroleum, and coal products	-	-	-	-	-	-
28	Non-metallic mineral products	9	39	3	42	0.9	4.7
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	16	115	22	137	2.1	9.6
32	Transport equipment	4	42	3	45	n.p.	n.p.
33	Other machinery	10	211	27	238	4.6	18.1
34	Miscellaneous manufacturing	15	24	22	46	0.2	1.3
Total, manufacturing industries		119	939	241	1,180	18.8	95.2
TAMWORTH (C)							
21	Food, beverages, and tobacco	15	593	164	757	16.3	148.4
23	Textiles	1	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	-	-	-	-	-	-
25	Wood, wood products, and furniture	21	102	19	121	1.8	10.8
26	Paper, paper products, printing, and publishing	6	80	44	124	2.8	8.9
27	Chemical, petroleum, and coal products	-	-	-	-	-	-
28	Non-metallic mineral products	10	55	7	62	n.p.	n.p.
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	18	139	21	160	2.5	11.6
32	Transport equipment	7	358	108	466	11.0	12.6
33	Other machinery	10	22	16	38	0.5	2.0
34	Miscellaneous manufacturing	11	26	11	37	0.5	2.7
Total, manufacturing industries		101	1,395	398	1,793	36.8	210.5

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
ARMIDALE (C)							
21	Food, beverages, and tobacco	2	n.p.	n.p.	n.p.	n.p.	n.p.
23	Textiles	-	-	-	-	-	-
24	Clothing and footwear	1	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	10	54	8	62	0.9	3.0
26	Paper, paper products, printing, and publishing	8	31	21	52	0.8	2.4
27	Chemical, petroleum, and coal products	-	-	-	-	-	-
28	Non-metallic mineral products	4	25	3	28	0.6	1.3
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	7	25	4	29	n.p.	n.p.
32	Transport equipment	-	-	-	-	-	-
33	Other machinery	5	10	10	20	0.2	0.9
34	Miscellaneous manufacturing	4	4	2	6	n.p.	n.p.
Total, manufacturing industries		41	171	59	230	3.4	13.6
DUBBO (C)							
21	Food, beverages, and tobacco	9	163	34	197	3.3	21.6
23	Textiles	2	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	-	-	-	-	-	-
25	Wood, wood products, and furniture	10	66	13	79	1.1	6.8
26	Paper, paper products, printing, and publishing	7	154	142	296	n.p.	n.p.
27	Chemical, petroleum, and coal products	-	-	-	-	-	-
28	Non-metallic mineral products	8	46	5	51	0.9	4.9
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	10	45	10	55	1.0	4.2
32	Transport equipment	5	55	8	63	n.p.	n.p.
33	Other machinery	11	92	17	109	1.7	11.8
34	Miscellaneous manufacturing	10	43	19	62	0.8	4.0
Total, manufacturing industries		73	689	252	941	17.2	96.3
ORANGE (C)							
21	Food, beverages, and tobacco	12	175	127	302	n.p.	n.p.
23	Textiles	2	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	2	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	13	64	11	75	1.1	2.7
26	Paper, paper products, printing, and publishing	7	76	82	158	2.7	7.5
27	Chemical, petroleum, and coal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	6	16	4	20	n.p.	n.p.
29	Basic metal products	2	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	18	90	25	115	1.6	9.0
32	Transport equipment	2	n.p.	n.p.	n.p.	n.p.	n.p.
33	Other machinery	9	1,385	369	1,754	n.p.	n.p.
34	Miscellaneous manufacturing	4	4	3	7	0.1	0.4
Total, manufacturing industries		78	1,970	722	2,692	48.9	272.8

For footnotes, see end of table.

TABLE 3.4 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN SELECTED STATISTICAL LOCAL AREAS BY INDUSTRY SUB-DIVISION, 1987-88 (continued)

Industry Sub-division		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
BEGA VALLEY (S)							
21	Food, beverages, and tobacco	11	145	132	277	3.8	38.5
23	Textiles	1	n.p.	n.p.	n.p.	n.p.	n.p.
24	Clothing and footwear	-	-	-	-	-	-
25	Wood, wood products, and furniture	14	190	22	212	n.p.	n.p.
26	Paper, paper products, printing, and publishing	5	42	71	113	1.7	5.6
27	Chemical, petroleum, and coal products	-	-	-	-	-	-
28	Non-metallic mineral products	8	52	7	59	1.3	6.1
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	8	25	7	32	n.p.	n.p.
32	Transport equipment	3	11	3	14	n.p.	n.p.
33	Other machinery	5	10	5	15	0.1	0.8
34	Miscellaneous manufacturing	2	n.p.	n.p.	n.p.	n.p.	n.p.
Total, manufacturing industries		57	480	251	731	12.3	110.8
WAGGA WAGGA (C)							
21	Food, beverages, and tobacco	9	214	161	375	6.3	47.7
23	Textiles	4	215	15	230	n.p.	n.p.
24	Clothing and footwear	1	n.p.	n.p.	n.p.	n.p.	n.p.
25	Wood, wood products, and furniture	28	391	56	447	11.0	76.9
26	Paper, paper products, printing, and publishing	10	252	89	341	n.p.	n.p.
27	Chemical, petroleum, and coal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	10	44	2	46	0.8	5.2
29	Basic metal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
31	Fabricated metal products	15	134	36	170	3.1	12.6
32	Transport equipment	9	69	11	80	n.p.	n.p.
33	Other machinery	9	22	14	36	0.5	2.7
34	Miscellaneous manufacturing	9	66	8	74	n.p.	n.p.
Total, manufacturing industries		106	1,459	408	1,867	38.7	217.5
GRIFFITH (C)							
21	Food, beverages, and tobacco	22	486	176	662	12.1	147.5
23	Textiles	-	-	-	-	-	-
24	Clothing and footwear	-	-	-	-	-	-
25	Wood, wood products, and furniture	10	69	16	85	1.4	9.7
26	Paper, paper products, printing, and publishing	6	42	35	77	1.3	3.3
27	Chemical, petroleum, and coal products	1	n.p.	n.p.	n.p.	n.p.	n.p.
28	Non-metallic mineral products	7	48	4	52	0.9	3.1
29	Basic metal products	-	-	-	-	-	-
31	Fabricated metal products	9	38	9	47	0.7	4.2
32	Transport equipment	4	n.p.	n.p.	n.p.	n.p.	n.p.
33	Other machinery	8	43	8	51	n.p.	n.p.
34	Miscellaneous manufacturing	3	4	2	6	0.1	0.4
Total, manufacturing industries		70	742	254	996	17.6	177.3

(a) Includes working proprietors. (b) Excludes the drawings of working proprietors.

**TABLE 3.5 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN
SYDNEY STATISTICAL DIVISION BY INDUSTRY CLASS, 1987-88**

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
FOOD, BEVERAGES AND TOBACCO							
Meat Products							
2115	Meat	29	1,442	185	1,627	50.1	338.8
2116	Poultry	34	1,155	1,074	2,229	44.8	304.0
2117	Smallgoods	38	1,103	469	1,572	34.2	222.3
211	Total	101	3,700	1,728	5,428	129.1	865.1
Milk Products							
2121	Milk	8	916	149	1,065	28.6	295.6
2122	Butter	-	-	-	-	-	-
2123	Cheese	6	n.p.	n.p.	n.p.	n.p.	n.p.
2124	Ice cream	11	383	306	689	n.p.	n.p.
2125	Other	1	n.p.	n.p.	n.p.	n.p.	n.p.
212	Total	26	1,678	784	2,462	63.0	462.8
Fruit and Vegetables							
2131	Fruit	21	338	146	484	n.p.	n.p.
2132	Vegetables	12	349	288	637	n.p.	n.p.
213	Total	33	687	434	1,121	25.4	171.4
214	Margarine, Oils	7	709	199	908	27.2	233.0
Cereal Products							
2151	Flour	8	n.p.	n.p.	n.p.	11.1	147.6
2152	Starch	3	n.p.	n.p.	n.p.	n.p.	n.p.
2153	Cereals	32	1,234	604	1,838	n.p.	n.p.
215	Total	43	1,829	693	2,522	71.5	526.5
Bread, etc.							
2161	Bread	235	2,368	1,578	3,946	63.8	259.1
2162	Cakes and pastries	75	n.p.	n.p.	n.p.	42.7	205.5
2163	Biscuits	16	n.p.	n.p.	n.p.	49.4	175.2
216	Total	326	4,858	3,605	8,463	155.8	639.8
Other Food Products							
2171	Sugar	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2173	Confectionery	33	n.p.	n.p.	n.p.	n.p.	n.p.
2174	Seafoods	4	23	39	62	n.p.	n.p.
2175	Animal foods	17	366	193	559	13.3	139.7
2176	Other	96	3,520	1,923	5,443	142.8	775.1
217	Total	150	4,951	3,209	8,160	210.3	1,177.3
Beverages							
2185	Soft drinks	19	1,002	362	1,364	35.5	416.9
2186	Beer	2	n.p.	n.p.	n.p.	n.p.	n.p.
2187	Malt	1	n.p.	n.p.	n.p.	n.p.	n.p.
2188	Wine and brandy	3	n.p.	n.p.	n.p.	n.p.	n.p.
2189	Other alcohol	3	n.p.	n.p.	n.p.	n.p.	n.p.
218	Total Beverages	28	n.p.	n.p.	n.p.	n.p.	n.p.
219	Tobacco	2	n.p.	n.p.	n.p.	n.p.	n.p.
21	FOOD, BEVERAGES AND TOBACCO	716	22,456	12,259	34,715	862.9	5,328.5

For footnotes, see end of table.

TABLE 3.5 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN
SYDNEY STATISTICAL DIVISION BY INDUSTRY CLASS, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
TEXTILES							
Yarns and Fabrics							
2341	Cotton ginning	-	n.p.	n.p.	n.p.	n.p.	n.p.
2342	Wool scouring	4	57	5	62	n.p.	n.p.
2343	Man made fibres	2	n.p.	n.p.	n.p.	n.p.	n.p.
2344	Man made fabric	13	421	181	602	15.6	75.5
2345	Cotton fabric	8	386	239	625	15.5	69.8
2346	Worsteds	1	n.p.	n.p.	n.p.	n.p.	n.p.
2347	Woollens	4	n.p.	n.p.	n.p.	n.p.	n.p.
2348	Elastic textiles	9	116	129	245	5.3	34.6
2349	Textile finishing	26	n.p.	n.p.	n.p.	15.4	47.6
234	Total	67	1,766	788	2,554	62.8	309.9
Other Textiles							
2351	Household	39	n.p.	n.p.	n.p.	n.p.	n.p.
2352	Floor coverings	12	n.p.	n.p.	n.p.	12.1	95.0
2353	Felt	4	n.p.	n.p.	n.p.	n.p.	n.p.
2354	Canvas	93	558	380	938	16.8	69.2
2355	Rope	3	n.p.	n.p.	n.p.	n.p.	n.p.
2356	Other	47	870	916	1,786	n.p.	n.p.
235	Total	198	2,273	1,913	4,186	94.3	539.7
23	TEXTILES	265	4,039	2,701	6,740	157.1	849.6
CLOTHING AND FOOTWEAR							
Knitting Mills							
2441	Hosiery	3	n.p.	n.p.	n.p.	n.p.	n.p.
2442	Pullovers	21	164	357	521	n.p.	n.p.
2443	Other	27	n.p.	n.p.	n.p.	29.0	161.4
244	Total	51	848	1,812	2,660	50.8	249.5
Clothing							
2451	Men's trousers	35	n.p.	n.p.	n.p.	n.p.	n.p.
2452	Men's suits	27	112	293	405	n.p.	n.p.
2453	Women's outerwear	516	1,518	5,106	6,624	93.6	622.4
2454	Foundation wear	9	n.p.	n.p.	n.p.	15.7	52.0
2455	Underwear and infant's wear	64	482	1,778	2,260	37.8	90.1
2456	Other	191	566	1,320	1,886	29.1	124.7
245	Total	842	2,973	10,194	13,167	198.5	1,022.3
246	Footwear	71	1,078	1,367	2,445	43.2	147.1
24	CLOTHING AND FOOTWEAR	964	4,899	13,373	18,272	292.5	1,418.9

For footnotes, see end of table.

TABLE 3.5 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN
SYDNEY STATISTICAL DIVISION BY INDUSTRY CLASS, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
WOOD AND FURNITURE							
Wood							
2531	Sawmilling	16	166	41	207	3.0	22.5
2532	Timber	24	534	65	599	11.5	76.6
2533	Veneers	17	584	127	711	n.p.	n.p.
2534	Doors	12	n.p.	n.p.	n.p.	11.0	70.3
2535	Fittings and joinery	469	4,500	796	5,296	102.4	450.0
2536	Containers	27	288	37	325	6.4	25.4
2537	Woodchips	-	-	-	-	-	-
2538	Other	175	n.p.	n.p.	n.p.	n.p.	n.p.
253	Total	740	7,122	1,427	8,549	163.3	812.8
Furniture							
2541	Furniture	709	7,054	1,864	8,918	173.6	704.7
2542	Mattresses	23	607	375	982	18.9	128.6
254	Total	732	7,661	2,239	9,900	192.5	833.3
25	WOOD AND FURNITURE	1,472	14,783	3,666	18,449	355.8	1,646.1
PAPER, PRINTING AND PUBLISHING							
Paper							
2631	Pulp and paper	10	n.p.	n.p.	n.p.	n.p.	n.p.
2632	Paper bags	11	165	118	283	n.p.	n.p.
2633	Solid containers	16	n.p.	n.p.	n.p.	32.0	174.1
2634	Corrugated containers	17	n.p.	n.p.	n.p.	47.8	310.9
2635	Other	34	716	387	1,103	25.7	212.6
263	Total	88	3,834	1,000	4,834	n.p.	n.p.
Printing							
2641	Publishing	283	1,905	2,793	4,698	109.6	705.4
2642	Printing and publishing	66	4,959	2,608	7,567	235.9	837.2
2643	Stationery	71	1,677	1,018	2,695	n.p.	n.p.
2644	Printing and bookbinding	850	8,430	3,993	12,423	279.1	1,179.1
2645	Services	248	2,006	761	2,767	71.2	206.8
264	Total	1,518	18,977	11,173	30,150	n.p.	n.p.
26	PAPER, PRINTING AND PUBLISHING	1,606	22,811	12,173	34,984	893.7	4,097.6

For footnotes, see end of table.

TABLE 3.5 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN
SYDNEY STATISTICAL DIVISION BY INDUSTRY CLASS, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
CHEMICALS, PETROLEUM AND COAL							
Basic Chemicals							
2751	Fertilisers	1	n.p.	n.p.	n.p.	n.p.	n.p.
2752	Gases	7	202	33	235	n.p.	n.p.
2753	Resins and rubber (synthetic)	18	n.p.	n.p.	n.p.	47.6	575.7
2754	Organic chemicals	17	1,025	134	1,159	40.3	531.3
2755	Inorganic chemicals	30	893	300	1,193	35.6	303.0
275	Total	73	3,264	644	3,908	131.6	1,490.0
Other Chemicals							
2761	Explosives	3	331	228	559	n.p.	n.p.
2762	Paints	61	2,235	554	2,789	79.6	496.3
2763	Pharmaceuticals	78	3,117	2,962	6,079	175.5	1,101.8
2764	Pesticides	13	n.p.	n.p.	n.p.	n.p.	n.p.
2765	Soaps	81	2,091	1,072	3,163	79.2	699.5
2766	Cosmetics	37	919	1,299	2,218	68.3	436.0
2767	Inks	12	n.p.	n.p.	n.p.	10.4	94.5
2768	Other	60	894	362	1,256	n.p.	n.p.
276	Total	345	10,513	6,902	17,415	493.5	3,584.9
277	Petroleum refining	3	1,390	56	1,446	60.0	243.5
278	Petroleum and coal products	13	192	44	236	6.1	52.3
27	CHEMICALS, PETROLEUM AND COAL	434	15,359	7,646	23,005	691.1	5,370.7
NON - METALLIC MINERALS							
285	Glass	42	2,295	425	2,720	75.9	332.4
Clay							
2861	Bricks	17	1,261	115	1,376	36.6	140.0
2862	Refractories	6	n.p.	n.p.	n.p.	3.2	15.9
2863	Tiles and pipes	15	n.p.	n.p.	n.p.	11.9	44.1
2864	Other ceramics	33	497	119	616	13.9	54.3
286	Total	71	2,325	326	2,651	65.5	254.3
Cement and Concrete							
2871	Cement	3	n.p.	n.p.	n.p.	n.p.	n.p.
2872	Ready mixed	111	533	94	627	17.2	284.2
2873	Pipes	3	n.p.	n.p.	n.p.	n.p.	n.p.
2874	Other	57	1,620	178	1,798	44.0	202.4
287	Total	174	2,494	319	2,813	72.7	614.8
Minerals							
2881	Plaster	9	n.p.	n.p.	n.p.	n.p.	n.p.
2882	Stone	43	345	52	397	8.2	39.0
2883	Mineral wool	11	n.p.	n.p.	n.p.	n.p.	n.p.
2884	Other	12	n.p.	n.p.	n.p.	9.1	16.8
288	Total	75	1,143	196	1,339	37.2	170.3
28	NON - METALLIC MINERALS	362	8,257	1,266	9,523	251.2	1,371.8

For footnotes, see end of table.

**TABLE 3.5 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN
SYDNEY STATISTICAL DIVISION BY INDUSTRY CLASS, 1987-88 (continued)**

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
BASIC METALS							
Iron and Steel							
2941	Basic products	20	1,323	290	1,613	58.7	302.7
2942	Iron casting	16	975	66	1,041	n.p.	n.p.
2943	Steel casting	11	330	43	373	11.2	34.4
2944	Forging	9	169	17	186	n.p.	n.p.
2945	Steel pipes	21	451	67	518	15.9	79.6
294	Total	77	3,248	483	3,731	119.0	527.2
Non - Ferrous Metals							
2951	Copper smelting	-	-	-	-	-	-
2952	Silver, lead, zinc smelting	2	n.p.	n.p.	n.p.	n.p.	n.p.
2953	Alumina	-	-	-	-	-	-
2954	Aluminium smelting	1	n.p.	n.p.	n.p.	n.p.	n.p.
2955	Nickel smelting	-	-	-	-	-	-
2956	Other metals smelting	3	n.p.	n.p.	n.p.	n.p.	n.p.
2957	Secondary recovery	17	n.p.	n.p.	n.p.	9.1	119.6
295	Total	23	446	59	505	n.p.	n.p.
Non - Ferrous Metal Basic Products							
2961	Aluminium extrusions	14	n.p.	n.p.	n.p.	n.p.	n.p.
2962	Other extrusions	15	n.p.	n.p.	n.p.	32.0	249.8
2963	Castings	43	n.p.	n.p.	n.p.	22.1	88.8
296	Total	72	4,541	665	5,206	n.p.	n.p.
29	BASIC METALS	172	8,235	1,207	9,442	268.4	1,723.6
FABRICATED METALS							
Structural							
3141	Steel	179	3,588	423	4,011	97.8	597.9
3142	Aluminium	166	2,722	585	3,307	73.6	338.6
3143	Other architectural	130	1,156	247	1,403	27.4	135.3
314	Total	475	7,466	1,255	8,721	198.9	1,071.8
Sheet Metal							
3151	Containers	28	1,699	434	2,133	56.6	311.2
3152	Furniture	47	1,078	201	1,279	n.p.	n.p.
3153	Other	344	4,000	911	4,911	n.p.	n.p.
315	Total	419	6,777	1,546	8,323	187.1	843.2
Other							
3161	Hand tools	39	299	168	467	n.p.	n.p.
3162	Wire	80	1,381	388	1,769	39.6	211.9
3163	Nuts and bolts	37	n.p.	n.p.	n.p.	n.p.	n.p.
3164	Coating and finishing	182	1,565	380	1,945	40.1	122.8
3165	Fittings	24	n.p.	n.p.	n.p.	n.p.	n.p.
3166	Boilers	48	554	72	626	14.2	49.0
3167	Awnings	41	400	263	663	17.0	97.0
3168	Other	629	4,142	1,150	5,292	103.9	380.1
316	Total	1,080	9,775	3,038	12,813	268.8	1,042.2
31	FABRICATED METALS	1,974	24,018	5,839	29,857	654.9	2,957.2

For footnotes, see end of table.

TABLE 3.5 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN
SYDNEY STATISTICAL DIVISION BY INDUSTRY CLASS, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
TRANSPORT EQUIPMENT							
Motor Vehicles							
3231	Vehicles	15	1,038	67	1,105	n.p.	n.p.
3232	Bodies	81	1,314	156	1,470	n.p.	n.p.
3233	Instruments	14	272	158	430	9.1	65.4
3234	Parts	150	4,004	703	4,707	111.4	405.0
323	Total	260	6,628	1,084	7,712	177.5	940.2
Other Transport							
3241	Ships	21	n.p.	n.p.	n.p.	n.p.	n.p.
3242	Boats	146	620	118	738	11.4	48.0
3243	Rolling stock	16	4,856	121	4,977	111.4	319.6
3244	Aircraft	37	4,850	496	5,346	n.p.	n.p.
3245	Other	16	n.p.	n.p.	n.p.	3.0	10.9
324	Total	236	14,942	1,013	15,955	396.2	990.4
32	TRANSPORT EQUIPMENT	496	21,570	2,097	23,667	573.7	1,930.7
OTHER EQUIPMENT							
Photographic and Scientific							
3341	Photographic and optical	16	n.p.	n.p.	n.p.	n.p.	n.p.
3342	Film processing	240	708	1,071	1,779	n.p.	n.p.
3343	Other	78	n.p.	n.p.	n.p.	n.p.	n.p.
334	Total	334	1,973	1,889	3,862	81.9	306.8
Appliances and Electrical Equipment							
3351	Audio and T.V.	34	1,254	1,045	2,299	49.0	262.5
3352	Electronic	195	5,679	2,967	8,646	210.7	724.4
3353	Household	70	3,590	869	4,459	n.p.	n.p.
3354	Water heating	12	n.p.	n.p.	n.p.	20.5	117.1
3355	Electrical cables	15	n.p.	n.p.	n.p.	44.4	341.3
3356	Batteries	13	628	286	914	n.p.	n.p.
3357	Other	272	6,618	3,403	10,021	214.5	904.2
335	Total	611	20,027	9,140	29,167	666.3	2,939.6
Industrial Machinery							
3361	Agricultural	23	316	81	397	8.6	31.9
3362	Construction	16	165	34	199	4.8	28.5
3363	Materials handling	67	1,513	271	1,784	45.0	195.5
3364	Wood and metal working	57	751	115	866	19.9	57.1
3365	Pumps and compressors	39	1,140	186	1,326	33.7	133.1
3366	Heating and cooling	32	1,391	222	1,613	38.3	180.0
3367	Machine accessories	180	1,161	220	1,381	29.9	83.5
3368	Food processing	29	646	78	724	17.0	86.7
3369	Other	488	6,720	1,296	8,016	185.8	687.9
336	Total	931	13,803	2,503	16,306	383.0	1,484.1
33	OTHER EQUIPMENT	1,876	35,803	13,532	49,335	1,131.2	4,730.5

For footnotes, see end of table.

TABLE 3.5 MANUFACTURING ESTABLISHMENTS: SUMMARY OF OPERATIONS IN
SYDNEY STATISTICAL DIVISION BY INDUSTRY CLASS, 1987-88 (continued)

Industry Class		Establishments at end of June (no.)	Employment at end of June (a)			Wages and salaries (b) (\$m)	Turnover (\$m)
ASIC code	Description		Males (no.)	Females (no.)	Persons (no.)		
MISCELLANEOUS MANUFACTURING							
Leather and Leather Substitutes							
3451	Tanning	23	356	114	470	10.6	63.4
3452	Other	71	294	463	757	12.0	49.2
345	Total	94	650	577	1,227	22.6	112.6
Rubber							
3461	Tyres, tubes and sheets	24	n.p.	n.p.	n.p.	n.p.	n.p.
3462	Other	37	n.p.	n.p.	n.p.	n.p.	n.p.
346	Total	61	1,835	319	2,155	52.7	240.0
Plastic Products							
3471	Packaging and abrasive papers	49	2,323	716	3,039	87.9	459.3
3472	Rigid sheeting	3	n.p.	n.p.	n.p.	n.p.	n.p.
3473	Floor coverings	-	n.p.	n.p.	n.p.	n.p.	n.p.
3474	Other	385	6,402	3,911	10,313	n.p.	n.p.
347	Total	437	8,987	4,690	13,677	320.0	1,636.2
Other							
3481	Ophthalmic	16	265	281	546	11.1	34.6
3482	Jewellery and silver	182	609	389	998	15.7	77.0
3483	Brooms	10	121	125	246	5.2	29.2
3484	Advertising displays	220	928	396	1,324	25.4	86.1
3485	Sporting	61	380	165	545	10.5	77.2
3486	Writing	19	194	205	399	7.6	37.8
3487	Other	110	567	456	1,023	20.0	92.4
348	Total	618	3,064	2,017	5,081	95.4	434.4
34	MISCELLANEOUS	1,210	14,537	7,603	22,140	490.7	2,423.2
21 - 34 TOTAL MANUFACTURING		11,547	196,767	83,362	280,129	6,623.2	33,848.4

(a) Includes working proprietors. (b) Excludes the drawings of working proprietors.

TABLE 3.6 MANUFACTURING ESTABLISHMENTS: EMPLOYMENT SIZE GROUPS IN STATISTICAL SUB-DIVISIONS, AT END OF JUNE 1988

Statistical area	Number of establishments employing -						Total, establishments operating at end of June 1988
	Less than 4 persons	4 to 9 persons	10 to 19 persons	20 to 49 persons	50 to 99 persons	100 or more persons	
Inner Sydney SSD	596	811	498	345	119	112	2,481
Eastern Suburbs SSD	124	100	27	5	5	1	262
St George-Sutherland SSD	454	432	195	111	45	28	1,265
Canterbury-Bankstown SSD	288	376	221	157	68	87	1,197
Fairfield-Liverpool SSD	242	314	170	101	50	55	932
Outer South Western Sydney SSD	102	102	35	20	12	17	288
Inner Western Sydney SSD	118	136	62	30	19	27	392
Central Western Sydney SSD	212	300	214	163	77	107	1,073
Outer Western Sydney SSD	184	203	66	54	19	18	544
Blacktown-Baulkham Hills SSD	259	264	100	68	44	36	771
Lower Northern Sydney SSD	253	271	108	71	30	33	766
Hornsby-Ku-ring-gai SSD	144	107	42	21	2	9	325
Manly-Warringah SSD	322	297	123	70	20	15	847
Gosford-Wyong SSD	160	162	44	18	9	11	404
Sydney SD	3,458	3,875	1,905	1,234	519	556	11,547
Newcastle SSD	238	257	125	89	25	52	786
Hunter SD Balance	53	59	20	16	4	3	155
Hunter SD	291	316	145	105	29	55	941
Wollongong SSD	135	147	70	41	15	21	429
Illawarra SD Balance	85	87	25	14	7	8	226
Illawarra SD	220	234	95	55	22	29	655
Tweed Heads SLA-Part A	26	25	3	4	1	1	60
Richmond-Tweed SD Balance	114	138	39	28	4	6	329
Richmond-Tweed SD	140	163	42	32	5	7	389
Clarence SSD	121	108	42	24	8	3	306
Hastings SSD	97	96	39	27	7	8	274
Mid-North Coast SD	218	204	81	51	15	11	580
Northern Slopes SSD	66	69	31	7	9	6	188
Northern Tablelands SSD	52	41	13	7	1	2	116
North Central Plain SSD	20	18	8	9	4	-	59
Northern SD	138	128	52	23	14	8	363
Central Macquarie SSD	44	78	16	15	2	2	157
Macquarie-Barwon SSD	12	15	1	2	-	-	30
Upper Darling SSD	4	7	-	3	-	-	14
North-Western SD	60	100	17	20	2	2	201
Bathurst-Orange SSD	43	46	22	17	2	13	143
Central Tablelands SSD	16	19	3	1	2	7	48
Lachlan SSD	47	34	12	5	-	3	101
Central West SD	106	99	37	23	4	23	292

TABLE 3.6 MANUFACTURING ESTABLISHMENTS: EMPLOYMENT SIZE GROUPS IN STATISTICAL SUB-DIVISIONS, AT END OF JUNE 1988 (continued)

Statistical area	Number of establishments employing -						Total, establishments operating at end of June 1988
	Less than 4 persons	4 to 9 persons	10 to 19 persons	20 to 49 persons	50 to 99 persons	100 or more persons	
Queanbeyan SSD	46	44	17	8	1	-	116
Southern Tablelands SSD	43	44	13	6	5	1	112
Lower South Coast SSD	47	42	20	3	1	2	115
Snowy SSD	13	5	3	6	-	-	27
South Eastern SD	149	135	53	23	7	3	370
Central Murrumbidgee SSD	68	56	23	19	3	10	179
Lower Murrumbidgee SSD	32	42	16	11	5	5	111
Murrumbidgee SD	100	98	39	30	8	15	290
Albury SSD	47	40	22	5	8	8	130
Upper Murray SSD	15	14	3	2	2	1	37
Central Murray SSD	23	29	5	7	-	2	66
Murray-Darling SSD	7	7	3	-	1	-	18
Murray SD	92	90	33	14	11	11	251
Far West SD	15	5	4	1	2	-	27
New South Wales	4,987	5,447	2,503	1,611	638	720	15,906

SECTION 4. MANUFACTURING INDUSTRY LABOUR FORCE STATISTICS

The tables in this Section on the New South Wales manufacturing sector work force are derived from the ABS's monthly Labour Force Survey, the quarterly surveys of Employment and Earnings, and Job Vacancies and Overtime. Although not fully comparable with employment data collected in the ABS's annual Manufacturing Census (for reasons outlined in the commentary for Section 1 (Table 1.3)), the information in the above sub-annual collections supplements the Census by describing other features of the work force in the manufacturing sector.

Additional Labour Force data for the manufacturing sector are provided in Table 1.3.

Full-time/part-time status of persons employed in manufacturing and other industries (see Table 4.1)

Table 4.1 provides monthly Labour Force data on full or part-time work status of persons employed across industry subdivisions in New South Wales, over the period May 1985 to May 1988. A full-time worker is defined as usually working 35 hours or more a week in all jobs, and a part-time worker as one who works less than 35 hours.

Over the period, May 1985 to May 1988, the number of part-time workers in manufacturing rose by around 6,300 or approximately 25 per cent. Although these numbers should be viewed with caution due to high sampling variability, the movement towards part-time work in manufacturing is the same as the State average for all industries. Over the same period the number of full-time workers in manufacturing rose by 3 per cent while the State average for all industries rose by almost 7 per cent.

Unemployment in manufacturing and other industries (see Table 4.2)

The number of unemployed persons whose last full-time job was in the manufacturing sector rose from around 25,100 in May 1985 to about 30,800 in May 1987. However, the level for May 1988 fell to around 22,600. Movements in the unemployment rate (i.e. unemployed persons whose last full-time job was in the manufacturing sector as a percentage of the total manufacturing work force) over the same period were less significant, with the percentage rate in May 1985 (5.8 per cent) being similar to that for May 1988 (5.1 per cent).

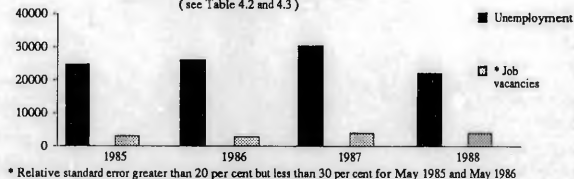
In all four years the May unemployment rates for manufacturing were less than the rate for the total of all industries.

Job vacancies in manufacturing industries (see Table 4.3)

Although high sampling variability requires some caution in interpreting the data in Table 4.3 the number of job vacancies in manufacturing industries in New South Wales over the period February 1985 to November 1988 ranged from 2,800 (August 1985) to 6,600 (November 1988). Reference to data in Table 4.2 shows that the number of persons unemployed significantly exceeds the number of job vacancies in the manufacturing sector. For example, in May 1988 there were 4,500 job vacancies in manufacturing whilst the number of unemployed persons whose last job was in manufacturing amounted to around 22,600. These comparisons are approximate only, due to definitional and methodological differences between Labour Force and Job Vacancies and Overtime collections. However, the trend is shown clearly in the following graph. It should be noted that the number of unemployed and the rate calculated for manufacturing should be used as a guide only as it includes those unemployed persons previously employed in manufacturing who are seeking work in areas other than manufacturing and excludes those seeking employment in manufacturing who have not worked full-time for 2 weeks or more in the last two years in manufacturing.

UNEMPLOYMENT AND JOB VACANCIES MAY 1985, 1986, 1987 AND 1988

(see Table 4.2 and 4.3)



Overtime worked in manufacturing industries (see Table 4.4)

The average weekly overtime hours worked by persons in manufacturing in New South Wales over the period February 1985 to November 1988 has risen from 2.23 hours to 3.04. Over the same period, the amount of overtime worked by persons employed in manufacturing was double the average recorded in all industries in New South Wales.

TABLE 4.1 EMPLOYED PERSONS: FULL-TIME/PART-TIME STATUS BY INDUSTRY SUB-DIVISION, NEW SOUTH WALES

Industry Division and Subdivision		Number of employed persons ('000)							
		Part-time				Full-time			
		May 1985	May 1986	May 1987	May 1988	May 1985	May 1986	May 1987	May 1988
01-04	Agriculture, forestry, fishing and hunting	20.1	30.4	22.1	27.8	92.7	94.4	87.3	96.4
11-16	Mining	*	*	*	*	27.4	31.2	29.3	32.9
21-34	Manufacturing	24.9	23.5	27.4	31.2	379.3	393.5	378.3	391.0
36,37	Electricity, gas and water	*	*	*	*	47.7	54.3	48.9	44.2
41,42	Construction	19.6	17.6	19.0	17.9	138.8	141.5	154.5	149.9
47,48	Wholesale and retail trade	107.4	119.5	124.0	129.8	367.3	375.6	341.9	387.6
51-58	Transport and storage	11.7	14.9	12.8	15.8	130.3	117.6	123.5	124.6
59	Communication	*	*	*	*	54.9	47.0	42.3	45.5
61	Finance, property and business services	45.0	43.6	47.1	51.8	205.9	227.3	240.5	240.8
71,72	Public Administration and Defence (a)	*	4.3	4.5	*	85.2	87.4	96.7	89.0
81-84	Community services	89.2	101.5	113.6	123.0	267.2	269.4	300.6	311.7
91-94	Recreation, personal and other services (b)	48.4	61.9	69.5	63.6	104.1	110.9	102.6	113.0
TOTAL (c)		375.2	421.0	443.6	469.7	1,900.8	1,949.9	1,946.3	2,026.5

(a) Excludes members of permanent defence forces and employees of overseas embassies, consulates etc. (b) Excludes private households employing staff. (c) Includes employees of government agencies classified to agriculture, forestry, fishing and hunting. * Subject to sampling variability too high for most practical purposes. Source: unpublished Labour Force Estimates.

TABLE 4.2 UNEMPLOYED PERSONS: INDUSTRY OF LAST FULL-TIME JOB AND UNEMPLOYMENT RATE IN THAT INDUSTRY, NEW SOUTH WALES

Industry Division and Subdivision		May 1985		May 1986		May 1987		May 1988	
		Persons ('000)	Unemployment rate (per cent)	Persons ('000)	Unemployment rate (per cent)	Persons ('000)	Unemployment rate (per cent)	Persons ('000)	Unemployment rate (per cent)
<i>Had worked for two weeks or more in a full time job in the last two years:</i>									
01-04	Agriculture, forestry, fishing and hunting	5.2	4.4	5.0	3.7	4.6	3.9	4.4	3.4
21-34	Manufacturing	25.1	5.8	26.5	5.9	30.8	7.0	22.6	5.1
41,42	Construction	14.5	8.3	12.0	6.9	11.0	5.8	9.2	5.2
47,48	Wholesale and retail trade	27.5	5.5	20.2	3.9	24.4	4.9	21.2	3.9
51-58	Transport and storage	4.9	3.3	4.2	3.1	4.7	3.3	4.1	2.8
61	Finance, property and business services	5.7	2.2	6.9	2.5	7.7	2.6	6.1	2.0
81-84	Community services	9.4	2.6	10.5	2.7	11.3	2.6	11.0	2.5
	Other industries (a)	21.8	**	22.1	**	20.6	**	21.0	**
<i>Had not worked full-time for two weeks or more in the last two years:</i>									
	Looking for first job	35.3	**	26.9	**	26.1	**	37.1	**
	Had worked at some time in the past	75.0	**	75.9	**	89.5	**	63.5	**
	Stood down	*	**	*	**	*	**	*	**
TOTAL		226.1	9.0	213.6	8.2	234.1	8.8	204.6	7.6

(a) Comprises Mining, Electricity, Gas and Water, Communication, Public Administration and Defence and Recreational, Personal and Other Services. * Subject to sampling variability too high for most practical purposes. Source: unpublished Labour Force Estimates.

TABLE 4.3 JOB VACANCIES IN THE MANUFACTURING INDUSTRY, NEW SOUTH WALES

Survey date	Number of vacancies ('000)			Job vacancy rate (a) (per cent)
	Manufacturing	Other industries	Total	
1985:				
15 February	3.6(b)	16.0	19.5	1.0
17 May	3.6(b)	18.7	22.3	1.2
16 August	2.8	13.2	16.0	0.8
15 November	3.0	14.6	17.6	0.9
1986:				
20 February	3.6(b)	18.2	21.9	1.1
16 May	3.3(b)	17.8	21.1	1.1
15 August	3.6	15.0	18.6	1.0
21 November	3.1	18.6	21.7	1.1
1987:				
20 February	3.7	21.0	24.7	1.3
15 May	4.5	15.4	19.9	1.1
21 August	4.1(b)	18.8	22.9	1.2
20 November	3.9	19.8	23.7	1.2
1988:				
19 February	5.2(b)	20.2	25.4	1.3
20 May	4.5	17.5	22.0	1.0
19 August	5.3	24.6	29.9	1.4
18 November	6.6	20.2	26.8	1.2

(a) The job vacancy rate is calculated by expressing the number of job vacancies as a percentage of employees plus vacancies. (b) Relative standard error greater than 20 per cent but less than 30 per cent. Source: unpublished Job Vacancies data.

TABLE 4.4 OVERTIME, NEW SOUTH WALES

Period (a)	Average weekly overtime hours per employee in the survey		Average weekly overtime hours per employee working overtime	Percentage of employees in the survey working overtime (per cent)
	Manufacturing industries	All industries		
1985:				
February	2.23	1.01	6.67	14.67
May	2.16	1.05	6.55	15.99
August	2.21	1.05	6.66	15.82
November	2.56	1.13	6.88	16.43
1986:				
February	2.50	1.14	6.85	16.69
May	2.51	1.16	6.85	17.29
August	2.53	1.12	6.57	17.08
November	2.70	1.19	6.73	17.76
1987:				
February	2.28	1.11	6.69	16.59
May	2.56	1.19	6.58	18.04
August	2.34	1.19	6.34	18.74
November	2.84	1.45	7.15	20.23
1988:				
February	2.40	1.35	7.06	19.19
May	2.45	1.35	7.14	18.97
August	2.72	1.32	6.87	19.14
November	3.04	1.41	7.20	19.59

(a) Based on the last pay period ending on or before the third Friday of the month shown. Source: ABS Catalogue No. 1305.1.

SECTION 5. MANUFACTURING ACTIVITY, OTHER STATISTICAL SERIES

This Section of Manufacturing in New South Wales has been included to supplement the detailed statistics of the industry compiled from Census information. To assist users of manufacturing statistics, data relevant to the industry has been brought together here so that a complete picture of the manufacturing industry could be gained from one source.

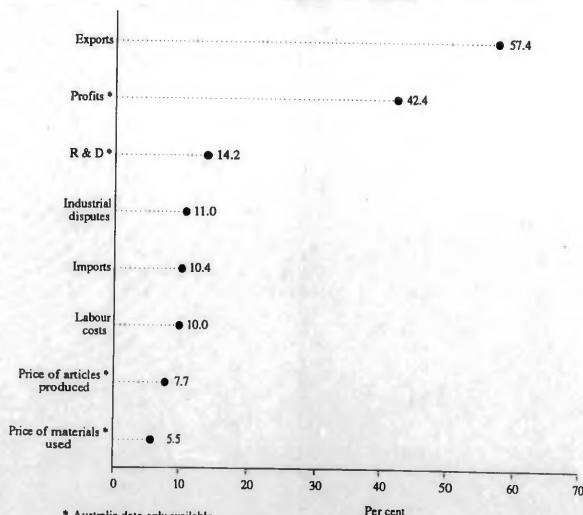
The Manufacturing sector is consistently classified throughout all tables according to ASIC. However, whilst comparisons to other data sources are relevant and important to gain a complete picture of the industry, there are some inconsistencies in the concepts and definitions used. In addition, some series are based on samples and are subject to sampling error. Details can be sought from the explanatory notes of the particular series involved. Users should be aware of this and treat certain information provided as indicative data only.

Users should be especially careful when examining trade statistics in Tables 5.4 and 5.5. There is no current reliable measure of the extent of interstate trade, therefore State based figures as presented in these tables should be treated cautiously. While statistics for New South Wales exports should be reasonably accurate (see footnote (d), in Table 5.5), New South Wales imports as shown represent the total value of goods for which import entries were lodged with the Australian Customs Service in New South Wales. Obviously, these goods are not necessarily used in New South Wales, likewise, goods that are used in New South Wales but import entries lodged in another State are not included. Imports and exports associated with the manufacturing industry both rose in line with increased overall activity in the industry.

The series of statistics presented in this Section show that overall costs associated with the manufacturing industry rose in 1987-88, as did prices of articles produced and company profits. Total industrial disputes for all industries in 1987-88 resulted in a significant increase in the number of working days lost. The number of working days lost in manufacturing industry also rose in 1987-88 but represented a lower proportion of total days lost in New South Wales than in the previous years shown. Industrial accident data for 1986-87 (the most recent available) shows that employment injuries fell for the second successive year, with every manufacturing sub-division showing falls in both numbers and incidence of accidents.

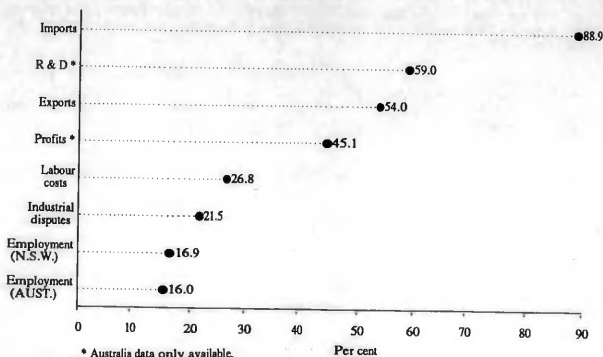
The following graph shows the percentage change of all the indicators presented in this section for the period 1986-87 to 1987-88 (with the exception of industrial accidents which is not yet available for 1987-88).

MANUFACTURING INDUSTRY: PERCENTAGE CHANGE IN MAJOR INDICATORS, NEW SOUTH WALES OR AUSTRALIA, 1986-87 TO 1987-88



In terms of employment, manufacturing in New South Wales represents 16.9 per cent of all industry in this State. Manufacturing constitutes 16.0 per cent of employment in all Australian industry. When compared with these employment statistics for New South Wales and Australia, the indicative data in this Section shows varying performance in the manufacturing industry as a proportion of all industries. The following graph shows for all relevant series the proportion of manufacturing as a percentage of all industry.

MANUFACTURING AS A PERCENTAGE OF ALL INDUSTRIES IN N.S.W. OR AUSTRALIA 1987-88



Major Labour Costs, Private Sector by Industry (see Table 5.1)

In 1987-88 gross wages and salaries was again the main contributor to total major labour costs in the manufacturing sector in New South Wales, as it was with all industries. It represented 85.4 per cent of total major labour costs for the manufacturing sector which was below the all industries average of 87.3 per cent.

Each of the labour costs associated with the manufacturing industry was above the all industries average with the exception of fringe benefits tax and superannuation. The percentage of employees covered by superannuation in manufacturing industry (56 per cent) was well above the all industries average (38 per cent), however the cost per employee was 35 per cent lower than the all industry average.

Working Days Lost in Industrial Disputes by Industry (see Table 5.2)

The number of days lost by manufacturing industry in New South Wales has continued to rise in recent years, up 11 per cent in 1987-88 from the previous year and 55 per cent over the 1983-84 level.

Between 1986-87 and 1987-88 some manufacturing sub-divisions reported an increase while others decreased. The largest movements were recorded within food, beverages and tobacco which dropped to almost one third of the 1986-87 level and paper, printing and publishing which more than doubled in the same period.

Overall, metal products, machinery, etc. dominated the figures with nearly 66 per cent of the total days lost for the whole manufacturing industry in 1987-88. In terms of the number of days lost per employee in this sector it was also the highest with 1.35 days lost per employee, compared with 0.5 days lost per employee in all manufacturing industry.

Employment Injuries: Number and Incidence for Manufacturing and All Industry In New South Wales, 1983-84 to 1986-87 (see Table 5.3)

Employment injuries data for 1987-88 was not available at the time of publication. However, in 1986-87 all manufacturing sectors had shown falls from the 1985-86 levels, in both the overall number of accidents, down 4,410 (12 per cent) and the incidence of injuries, down to 86.3 per thousand employees from 99.5.

Whilst still ahead in the incidence of injury compared with overall industry levels, the manufacturing industry has shown a greater percentage reduction in the number of injuries compared to all industries which recorded a drop in numbers of 9,510 (8 per cent) for 1986-87.

Overseas Trade Statistics of New South Wales and Australia with Comparison to Local New South Wales Production (see Tables 5.4 and 5.5)

New South Wales is Australia's largest trading State. In 1987-88 the State handled some 45 per cent of imports (\$18,087 m) and 27 per cent of exports (\$10,582 m), mainly at ports located at Sydney, Newcastle, Port Kembla, Port Botany and Kurnell, and Kingsford Smith Airport.

The biggest importing sector was other machinery manufacturers with over 43 per cent of imports of all manufacturing in New South Wales in both the years 1986-87 and 1987-88. In 1986-87 and 1987-88 basic metal products manufacturers dominated the export scene in New South Wales. In 1986-87 they exported 28 per cent of the total goods exported by manufacturers and this rose to 44 per cent in 1987-88.

All sectors of the manufacturing industry in New South Wales increased their imports from 1986-87 to 1987-88 in line with increases in activity as indicated by sales and transfers out. Most exports experienced similar growth in New South Wales with the exception of fabricated metal products which dropped by 7 per cent and basic metal products which increased well above the level of other sectors with a 150 per cent increase in 1987-88 over 1986-87.

Research and Experimental Development Carried Out by Business Enterprises, Australia (see Table 5.6)

Manufacturing industries clearly dominate this field of activity. Manufacturing represented 58 per cent of expenditure and 62 per cent of person years involved in 1986-87, gaining slightly in 1987-88 as a proportion of all industries to 59 per cent of expenditure and 63 per cent of person years involved.

Overall, manufacturing industry increased its involvement in research and development from 1986-87 to 1987-88 in both terms of expenditure and number of person years involved. Expenditure on research and development rose by 14 per cent on the 1986-87 level while person years involved rose by 5 per cent.

Company Profits Before Income Tax as a Percentage of Turnover by Selected Manufacturing Industry Sub Divisions, Australia (see Table 5.7)

Total manufacturing industries showed growth in overall profits over the five years from 1983-84 to 1987-88 but dropped as a percentage of turnover from 4.5 per cent in 1983-84 and 1984-85 to 4 per cent in 1986-87 before rising to 5 per cent of turnover in 1987-88.

Whilst both chemical, petroleum and coal products and fabricated metal products showed growth in overall profits over the five year period, only the former has shown substantially increased profits as a percentage of turnover in the more recent years.

Price Indexes of Materials Used in Manufacturing Industries, Australia (see Table 5.8)

Over the three years from June 1985 to June 1988, the all manufacturing industry index has shown a price rise of 3.4 per cent. All sectors, except petroleum and coal products, rose over this period. The substantial drop in petroleum and coal products by June 1986 (down 52 per cent on June 1985) had the effect of dropping the all manufacturing industries index by 14.7 points. Petroleum and coal products made up some ground by June 1987 (but still down 34 per cent on June 1985) before again showing a considerable fall by June 1988. The only other sector to experience any drop was basic metal products, dropping 9 per cent by June 1986 but recovering to above its June 1985 level by June 1987.

Price Indexes of Articles Produced by Manufacturing Industries, Australia (see Table 5.9)

This index shows that prices rose by 20.7 per cent for all manufacturing industry over the three years from June 1985 to June 1988. All sectors contributed to the rise with the exception of chemicals, petroleum and coal products which had declined considerably by June 1986 before making moderate gains by June 1988 to be 25.9 points below the June 1985 level.

Most sectors raised prices of the articles they produced in line with the all manufacturing average of 7.7 per cent in the year to June 1988, while three sectors significantly exceeded the average and one being considerably below. The sectors which significantly exceeded the average of 7.7 per cent were textiles (13.5 per cent), basic metal products (13.5 per cent) and miscellaneous manufacturing (11.6 per cent) while chemical, petroleum and coal products was considerably below (1.9 per cent).

TABLE 5.1 MAJOR LABOUR COSTS, PRIVATE SECTOR BY INDUSTRY, NEW SOUTH WALES, 1987-88 (PRELIMINARY)

Industry Division		Type of cost and cost per employee					Superannuation	
		Gross wages and salaries (\$)	Payroll tax (\$)	Workers' compensation (\$)	Superannuation (\$)	Fringe benefits tax (\$)	Total, major labour costs (\$)	Cost per employee covered (\$)
ASIC Code	Description						Employees covered (per cent)	
11-16	Mining	38,397	2,276	2,326	2,550	190	49,308	2,703
21-34	Manufacturing	24,372	1,247	1,092	788	153	28,530	1,401
36,37	Electricity, gas and water	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
41,42	Construction	21,644	641	1,310	980	95	25,208	2,291
47,48	Wholesale and retail	17,064	576	387	469	137	18,989	2,123
51-59	Transport and communication	25,573	1,118	968	859	188	29,222	1,928
61-63	Finance, property and business services	27,615	1,363	212	1,502	504	32,066	3,155
81-84	Community services	18,399	247	328	(a)640	(a)47	19,888	(a)3,806
91-93	Recreation, personal and other services	13,508	479	294	241	(a)71	14,807	1,079
TOTAL, all industries (b)		21,505	892	610	817	197	24,632	2,162

(a) Has a relative standard error of greater than 25 per cent and should not be regarded as reliable. (b) Includes cost for Electricity, gas and water. Source: ABS Catalogue No. 6348.0. (unpublished data).

TABLE 5.2 WORKING DAYS LOST IN INDUSTRIAL DISPUTES BY INDUSTRY, NEW SOUTH WALES ('000)

Industry Division or Subdivision						
ASIC Code	Description	1983-84	1984-85	1985-86	1986-87	1987-88
01-04	Agriculture, forestry, fishing and hunting	-	0.5	-	1.0	-
11-16	Mining	161.9	115.5	285.2	153.8	307.0
21-34	Manufacturing	125.0	132.9	150.4	174.9	194.2
21	Food, beverages and tobacco	13.8	20.6	39.8	22.1	7.9
23,24	Textiles, clothing and footwear	11.0	1.9	3.6	9.6	-
25	Wood, wood products and furniture	0.2	0.1	0.2	1.9	0.9
26	Paper, paper products, printing and publishing	2.1	3.2	2.2	16.7	39.4
27	Chemical, petroleum and coal products	6.0	15.1	3.6	8.3	12.1
29,33	Metal products, machinery, etc	97.1	90.8	94.3	107.5	127.4
	Other manufacturing (a)	4.8	1.2	6.7	8.8	6.4
36,37	Electricity, gas and water	17.8	19.2	16.5	30.6	14.0
41,42	Construction	33.9	63.4	40.4	56.8	123.2
47,48	Wholesale and retail trade	23.9	5.3	5.0	9.9	94.0
58,59	Transport, storage and communication	52.4	105.8	65.6	17.1	22.0
91-94	Recreational, personal and other services	0.5	8.5	3.9	0.6	0.3
	Other industries (b)	87.0	130.5	32.5	21.6	150.3
TOTAL working days lost		502.6	581.6	599.4	466.1	904.9

(a) Includes ASIC codes 28, 31, 32 and 34. (b) Comprises Finance, Property and Business Services, Public Administration, Defence, and Community Services. Source: ABS Catalogue No. 6321.0.

TABLE 5.3 EMPLOYMENT INJURIES: NUMBER AND INCIDENCE BY MANUFACTURING INDUSTRY SUB-DIVISION, NEW SOUTH WALES

Industry Sub-division		Number				Incidence (a)			
ASIC Code	Description	1983-84	1984-85	1985-86	1986-87	1983-84	1984-85	1985-86	1986-87
21	Food, beverages and tobacco	7,201	7,200	6,496	6,177	137.1	135.6	129.3	115.8
23,24	Textiles, clothing and footwear	1,880	2,090	2,014	1,659	58.8	67.4	65.6	47.2
25	Wood, wood products and furniture	2,443	2,617	2,300	2,042	103.7	98.4	91.3	87.2
26	Paper, paper products, printing and publishing	2,363	2,361	2,269	1,947	56.6	59.1	57.2	45.2
27	Chemicals, petroleum and coal products	2,213	2,131	1,819	1,579	85.1	89.2	71.3	63.0
28	Non-metallic mineral products	1,848	1,878	1,743	1,554	108.3	123.4	98.8	89.2
29	Basic metal products	4,813	4,744	5,073	4,216	(b) 118.0	(b) 113.6	(b) 114.7	107.9
(b)(c)	Engineering, type not specified	1,661	1,872	173	(c) .. (b) ..	(b) ..	(b) ..	(b) ..	(c) ..
31	Fabricated metal products	4,010	4,232	4,755	4,283	(b) 125.4	(b) 127.7	(b) 127.7	113.3
32	Transport equipment	4,235	4,012	3,581	3,195	(b) 160.8	(b) 150.5	(b) 148.0	88.5
33	Other machinery and equipment	5,637	5,919	6,008	5,425	(b) 100.3	(b) 101.3	(b) 99.6	95.6
34	Miscellaneous manufacturing	1,532	1,660	1,626	1,370	71.7	87.2	75.1	69.1
21-34	Total manufacturing	39,836	40,716	37,857	33,447	103.1	104.9	99.5	86.3
Total, all industries		111,606	115,688	114,443	104,933	64.7	64.8	61.9	(d) 55.4

(a) Number of injuries per 1,000 workers. (b) Injuries in 'Engineering, type not specified' have been included in the categories 'Basic metal products', 'Fabricated metal products', 'Transport equipment' and 'Other machinery and equipment' when calculating incidence. (c) The category 'Engineering, type not specified' is no longer applicable. (d) Excludes the industry categories 'Rail transport', 'Services to air transport' and 'Communication', which were included in previous years. This results in a break in the series. Source: ABS Catalogue No. 6311.1.

TABLE 5.4 OVERSEAS TRADE STATISTICS, NEW SOUTH WALES

Overseas Trade (a), New South Wales and Australia, 1982-83 to 1987-88

Year	N.S.W. trade		Australian trade		N.S.W. trade as a proportion of Australian trade	
	Imports (\$m)	Exports (\$m)	Imports (\$m)	Exports (\$m)	Imports (per cent)	Exports (per cent)
1982-83	8,611	4,963	21,806	20,819	39.5	23.8
1983-84	9,773	5,176	23,540	23,346	41.5	22.2
1984-85	12,478	6,674	29,049	28,972	43.0	23.0
1985-86	15,130	7,363	34,691	31,899	43.6	23.1
1986-87	16,056	8,364	36,988	34,195	43.4	24.5
1987-88	18,087	10,582	40,591	39,569	44.6	26.7

(a) Export statistics shown in this table exclude the value of re-exported goods. Source: ABS Catalogue Nos. 5426.0 and 5424.0.

TABLE 5.5 GOODS PRODUCED BY MANUFACTURING ESTABLISHMENTS (a) COMPARED WITH OVERSEAS IMPORTS AND EXPORTS (b) BY MANUFACTURING INDUSTRY SUB-DIVISION, NEW SOUTH WALES AND AUSTRALIA

Industry Sub-division ASIC code Description		N.S.W.			Australia		
		Overseas imports (c) (\$m)	Sales and transfers out (e) (\$m)	Overseas exports (d) (\$m)	Overseas imports (\$m)	Sales and transfers out (e) (\$m)	Overseas exports (\$m)
1986-87							
21	Food, beverages, and tobacco	776.8	6,855.4	786.4	1,606.8	23,510.7	5,678.1
23	Textiles	730.1	837.8	452.1	1,877.4	2,926.1	1,303.1
24	Clothing and footwear	384.5	1,192.7	19.4	954.9	3,779.1	52.1
25	Wood, wood products and furniture	295.3	1,752.6	16.6	707.2	5,532.7	407.2
26	Paper, paper products, printing and publishing	927.3	2,899.9	64.7	1,746.5	8,020.5	199.9
27	Chemical, petroleum and coal products	1,663.0	4,408.0	374.6	4,275.1	10,095.4	1,421.5
28	Non-metallic mineral products	279.3	1,736.3	27.0	641.1	5,118.0	76.9
29	Basic metal products	346.8	5,735.9	1,011.1	1,045.9	13,213.2	6,045.3
31	Fabricated metal products	402.1	2,792.8	88.0	960.3	7,561.6	235.1
32	Transport equipment	1,250.1	1,247.5	94.0	4,689.1	8,895.4	1,238.6
33	Other machinery	6,495.8	4,247.8	534.1	12,744.7	9,994.0	1,901.7
34	Miscellaneous manufacturing	1,120.1	2,066.8	161.5	2,408.2	5,732.0	402.3
<i>Total, manufacturing industries</i>		<i>14,571.2</i>	<i>35,773.7</i>	<i>3,629.5</i>	<i>33,657.3</i>	<i>104,378.9</i>	<i>18,961.8</i>
1987-88							
21	Food, beverages, and tobacco	828.7	7,753.6	969.7	1,674.8	26,842.8	6,431.4
23	Textiles	885.7	1,050.0	455.1	2,117.9	3,508.6	1,561.2
24	Clothing and footwear	391.2	1,538.4	28.7	1,003.9	4,391.6	75.3
25	Wood, wood products and furniture	336.4	2,206.9	27.4	815.0	6,739.2	456.9
26	Paper, paper products, printing and publishing	952.8	3,697.0	79.8	2,015.5	10,047.2	213.8
27	Chemical, petroleum and coal products	1,917.6	5,339.8	527.7	4,856.6	11,820.7	1,838.5
28	Non-metallic mineral products	328.5	1,942.8	36.4	762.4	5,832.1	104.0
29	Basic metal products	457.2	6,778.1	2,523.5	1,238.1	15,689.4	7,841.9
31	Fabricated metal products	444.7	3,373.2	81.7	1,117.8	9,479.7	259.6
32	Transport equipment	1,377.9	1,665.2	113.1	4,753.2	11,288.1	1,168.3
33	Other machinery	6,924.9	4,971.4	670.3	13,632.0	11,833.2	2,203.6
34	Miscellaneous manufacturing	1,239.6	2,497.2	200.8	2,708.9	6,895.8	559.4
<i>Total, manufacturing industries</i>		<i>16,085.3</i>	<i>42,813.6</i>	<i>5,714.1</i>	<i>36,696.3</i>	<i>124,368.2</i>	<i>22,713.8</i>

(a) Excluding single establishment enterprises with fewer than 4 persons employed. (b) The values shown for imports and exports exclude the value of items which are subject to ABS confidentiality restrictions. (c) Overseas imports into New South Wales represents the total value of the goods for which import entries were lodged with the New South Wales Office of the Australian Customs Service. (d) Overseas exports from New South Wales represents the total value of the goods for which the final stage of manufacturing occurred in New South Wales. (e) For 1987-88 includes transfers of goods which were not manufactured by the establishment. Source: As for Table 5.4 and State figures available on microfiche.

TABLE 5.6 RESEARCH AND EXPERIMENTAL DEVELOPMENT CARRIED OUT BY BUSINESS ENTERPRISES (a) BY INDUSTRY OF ENTERPRISE, AUSTRALIA, 1987-88

Industry of enterprise		Expenditure on R & D (\$m)	Estimated standard error (\$m)	Person years of effort on R & D			
ASIC Code	Description			Researcher effort	Estimated standard error	Total R & D effort	Estimated standard error
	Manufacturing						
27	Chemical, petroleum and coal products	133.9	1.8	1,033	17.1	1,861	26.2
29	Basic metal products	80.8	-	484	-	879	-
32	Transport equipment	141.7	1.6	704	8.9	1,701	12.8
335	Appliances and electrical equipment	196.0	5.1	1,555	42.0	2,989	76.6
(b)	Other machinery and equipment n.e.c.	70.4	1.9	569	25.1	1,138	39.7
(c)	Other manufacturing	160.4	3.6	1,062	28.0	2,088	38.0
21-34	Total manufacturing	783.3	7.0	5,407	59.5	10,656	98.7
(d)	Other industries	544.0	5.5	3,103	64.5	6,205	86.4
	Total all industries	1,327.3	8.7	8,510	87.7	16,861	130.8
	Private sector contribution to 'Total all industries'	1,218.0		7,835		15,535	

(a) Excludes enterprises in ASIC Division 'A'. (b) ASIC Subdivision 33 except for Group 335. (c) ASIC Division C except for Subdivisions 27, 29, 32 and 33. (d) ASIC Divisions B, D-L. Source: ABS Catalogue No. 8122.0.

TABLE 5.7 COMPANY PROFITS BEFORE INCOME TAX AS A PERCENTAGE OF TURNOVER BY SELECTED MANUFACTURING INDUSTRY SUB-DIVISIONS, AUSTRALIA

Industry Sub-division		1983-84		1984-85		1986-87		1987-88	
ASIC Code	Description	(\$m) (a)	(per cent) (b)	(\$m) (a)	(per cent) (b)	(\$m) (a)	(per cent) (b)	(\$m) (a)	(per cent) (b)
21	Food, beverages, and tobacco	709	3.6	797	3.8	965	4.0	1,108	4.0
23,24	Textiles clothing and footwear	209	3.7	142	2.3	232	3.0	266	3.1
26	Paper, paper products, printing and publishing	453	6.4	479	5.9	378	3.6	551	4.6
27	Chemicals, petroleum and coal products	514	5.8	528	5.4	765	6.8	1,246	9.7
29	Basic metal products	546	5.0	464	3.7	372	2.6	858	5.3
32	Transport equipment	288	3.4	324	3.3	-54	-0.5	5	-
33	Fabricated metal products	550	6.4	646	7.0	721	6.3	965	7.4
	Other manufacturing (c)	712	3.1	1,069	5.0	1,270	4.9	1,622	5.3
Total, manufacturing		3,982	4.5	4,450	4.5	4,650	4.0	6,621	5.0
TOTAL, selected industries (d)		9,352	n.a.	10,456	n.a.	11,613	n.a.	14,667	n.a.

(a) These figures relate only to companies with employment of more than 30 persons. It is estimated (from an annual survey) that smaller companies account for only about 10 per cent of profit in the selected industries. (b) Calculated as a percentage of turnover for all manufacturing establishments. (c) Includes ASIC codes 25, 28, 31 and 34. (d) Includes Mining, Manufacturing, Wholesale and Retail Trade and Other Selected Industries. Source: ABS Catalogue No. 5651.0.

TABLE 5.8 PRICE INDEXES OF MATERIALS USED IN MANUFACTURING INDUSTRIES, AUSTRALIA

Note. These indexes are on a net sector basis. The All Manufacturing Industry Index relates to materials used by establishments classified to the Manufacturing Division of the Australian Standard Industrial Classification (ASIC), which have been purchased or transferred in from establishments outside that Division. The Sub-division/Group indexes relate to materials used by establishments classified to that Sub-division/Group of the Manufacturing Division which originated from outside that Sub-division/Group. Therefore, materials produced by other Sub-divisions of Australian manufacturing industry, other Divisions of Australia industry (e.g. 'Agriculture, forestry, fishing and hunting' or 'Mining') and materials produced overseas are included. Further details of the indexes are contained in the publication, *Price Indexes of Materials Used in Manufacturing Industries, Australia* (6411.0).

(Base of each group index: 1984-85 = 100.0)

ASIC Code	Division, subdivision or group	June 1985	June 1986	June 1987	June 1988
All Manufacturing Industry		110.3	95.6	108.1	114.0
21	Food, beverage and tobacco	102.5	102.9	110.1	123.8
23	Textiles	110.0	113.9	137.5	167.6
245	Clothing	108.7	119.9	129.1	138.0
246	Footwear	106.4	115.4	128.3	137.4
25	Wood, wood products and furniture	106.2	112.5	119.2	128.1
26	Paper, paper products, printing and publishing	107.8	109.2	114.5	122.0
277	Basic chemicals and other chemical products	110.5	111.9	115.2	122.3
278	Petroleum and coal products	117.9	56.8	78.1	66.7
28	Non-metallic mineral products	102.3	105.2	115.2	118.2
29	Basic metal products	111.8	102.0	113.5	128.1
31	Fabricated metal products	105.5	111.3	118.3	134.7
32	Transport equipment	106.6	120.5	132.6	140.0
33	Other machinery and equipment	107.8	113.6	122.1	133.6
34	Miscellaneous manufacturing	103.9	109.5	122.3	137.1

Source : ABS Catalogue No. 6411.0.

TABLE 5.9 PRICE INDEXES OF ARTICLES PRODUCED BY MANUFACTURING INDUSTRIES, AUSTRALIA

Note. These indexes are on a net sector basis. Thus, the All Manufacturing Industry Index relates to articles produced for sale or transfer outside the Manufacturing Division of the Australian Standard Industrial Classification (ASIC), for export, or for use as capital equipment, whilst the Sub-division indexes also include articles produced for sale or transfer to other Sub-divisions within the Manufacturing Division. Further details of the indexes are contained in the publication, *Price Indexes of Articles Produced by Manufacturing Industry, Australia* (6412.0).

(Base of each group index: 1968-69 = 100.0)

ASIC Code	Division or subdivision	June 1985	June 1986	June 1987	June 1988
All Manufacturing Industry		420.8	435.0	471.7	507.8
21	Food, beverage and tobacco	388.9	410.3	436.7	469.5
23	Textiles	334.9	357.1	403.7	458.4
24	Clothing and footwear	358.4	389.3	416.5	448.2
25	Wood, wood products and furniture	512.1	547.3	588.5	638.3
26	Paper, paper products and printing	453.1	488.2	529.9	563.2
27	Chemicals, petroleum and coal products	521.6	434.1	486.4	495.7
28	Non-metallic mineral products	439.3	458.6	485.0	519.7
29	Basic metal products	399.9	403.7	437.4	496.6
31	Fabricated metal products	514.7	549.9	579.9	618.0
32	Transport equipment	392.2	437.5	503.1	544.1
33	Other industrial machinery and equipment and household appliances	403.4	430.1	460.9	502.0
34	Miscellaneous manufacturing	372.8	404.9	437.8	488.7

Source : ABS Catalogue No. 6412.0.

EXPLANATORY NOTES

Introduction

This publication is the major New South Wales Office bulletin containing data on manufacturing industry in this State. It presents the results of the 1987-88 Manufacturing Census and compares these results with other ABS data relevant to the Manufacturing industry. An explanation of the terminology used in the Census follows. For detailed definitions of the statistics from other ABS sources reference should be made to the principal bulletins from which the data has been taken. These sources are:

ABS Catalogue Number	Title	Table Ref.
5220.0	Australian National Accounts:	
	State Accounts	1.1, 1.2
6201.1	The Labour Force,	
	New South Wales	1.3, 4.2
1305.1	Monthly Summary of Statistics,	
	New South Wales	2.4, 4.4
8304.1	Production Statistics, N.S.W.	2.4
6248.0	Employed Wage and Salary Earners,	
	Australia	4.1
6231.0	Job Vacancies, Australia	4.3
6348.0	Major Labour Costs, Australia	5.1
6321.0	Industrial Disputes, Australia	5.2
6311.1	Employment Injuries, N.S.W.	5.3
5426.0	Imports Australia, Annual Summary	
	Tables	5.4, 5.5
5424.0	Exports Australia, Annual Summary	
	Tables	5.4, 5.5
8122.0	Research and Experimental Development,	
	All-Sector Summary, Australia	5.6
5651.0	Company Profits, Australia	5.7
6411.0	Price Indexes of Materials Used in	
	Manufacturing Industries, Australia	5.8
6412.0	Price Indexes of Articles Produced by	
	Manufacturing Industry, Australia	5.9

2. The Manufacturing Census is conducted as a component of the ABS integrated economic statistics system. This system uses common conceptual standards to allow comparative analysis between different industry sectors.

3. A new collection strategy has been introduced for the Manufacturing Census involving a less detailed census in two years out of three with the first of these being conducted in 1987-88. A detailed census including expanded revenue and expense items, details of articles produced and materials used is now conducted triennially, the next being the 1989-90 reference year. Note, a Manufacturing Census was not conducted for 1985-86 but the 1986-87 census which incorporated a sample component for establishments employing between four to nineteen persons collected a full range of census data including average employment, stocks, sales and expenses.

4. Manufacturing as specified in Division C of the *Australian Standard Industrial Classification (ASIC) 1983 Edition*, (ABS Catalogue No. 1201.0) broadly relates to the physical or chemical transformation of materials or components into new products, whether the work is performed by power-driven machines or by hand.

5. The period covered by the Census is usually the twelve months ended 30 June. Where businesses find it impossible to supply information on this basis, a substitute accounting period is used.

Statistical Units

6. The basic unit for which statistics are reported in ABS integrated industry collections is the establishment. In general, this is a unit covering all the operations conducted under the ownership of one enterprise (business) at a single physical location. A manufacturing establishment is one whose major activity is classified according to ASIC as manufacturing, but the data collected may cover other activities at the location. Exceptions occur where a secondary activity at a location exceeds a specified value (in 1987-88 this was \$5.3m) in terms of sales and transfers out of goods and services during the year. Secondary activities include production of commodities classified to another manufacturing class and the selling and distribution of goods not produced at the location. These locations are treated for statistical purposes as two or more establishments corresponding to the activities carried on.

7. Tables showing Manufacturing Census data contain statistics relating to establishments, including data for separately located ancillary units (such as head offices, storage premises and manufacturers' sales branches or sales offices) which serve the establishment and form part of the enterprise which owns and operates it. Sales branches or offices which distribute to customers from stocks held by them are classified to the wholesale industry.

8. Since the 1983-84 census, the classification of census units to industry is based on the 1983 edition of ASIC.

Methodology

9. For Manufacturing Censuses prior to 1986-87 a full range of data was collected from all manufacturing establishments owned by multi-establishment enterprises, and from single establishment enterprises with four or more persons employed. Employment, wages and salaries and a description of industry were the only data collected from single establishment enterprises with fewer than four persons employed.

10. For the 1986-87 census, only a sample of manufacturers were asked the full range of census questions. The remainder were only asked for details of employment at 30 June, wages and salaries and turnover. All manufacturers other than those employing fewer than four persons, were asked for quantity and value of commodities produced.

11. With the introduction of the new triennial collection strategy for the 1987-88 census all manufacturers were only asked to provide details relating to employment at the end of June, wages and salaries and turnover.

Definitions

12. The Manufacturing Census data for the items defined below relates to establishments which operated at any time during the year unless otherwise stated.

Establishments at end of June. The number of establishments in operation at the end of June relates to manufacturing establishments as such and does not include separately located administrative offices and ancillary units.

Employment. Working proprietors and employees on the payroll, at the end of June including those at separately located administrative offices and ancillary units.

Wages and salaries. The wages and salaries of all employees of the establishment, including those working at separately located administrative offices and ancillary units. Drawings of working proprietors are excluded.

Turnover. Sales (exclusive of excise and sales tax) of goods whether produced by the establishment or not, plus transfers out of goods to other establishments of the same enterprise, plus bounties and subsidies on production, plus all other operating revenue from outside the enterprise (such as commission revenue, repair and service revenue, rent, leasing and hiring revenue), plus capital work done for own use, or for rental or lease. Receipts from interest, royalties, dividends and the sale of fixed tangible assets are excluded.

Transfers. Transfers to and from other establishments of the enterprise are valued, for statistical purposes, at commercial selling value (i.e. the purchase or selling price applicable if the establishment had been under separate ownership).

Statistical Areas of New South Wales

13. The statistical regional structure used in this publication is based on the *Australian Standard Geographical Classification (ASGC)*, Edition 4 (Catalogue No. 1216.0). Additional information concerning statistical areas, can be found in the publication *Regional Statistics, New South Wales, 1988* (Catalogue No. 1304.1).

Related Publications

14. Other publications related to manufacturing statistics produced by the New South Wales Office of the ABS are:-

- *Manufacturing Census: Summary Statistics, New South Wales, 1987-88* (Catalogue No. 8206.1)
- *Production Statistics, New South Wales*, (Catalogue No. 8304.1) produced monthly.

15. A wide range of publications are produced by the ABS Central Office. These cover Australian statistics on manufacturing activity and include some comparisons of State data.

- *Manufacturing Industry, Australia, 1987-88, Preliminary* (Catalogue No. 8201.0).
- *Manufacturing Industry, Details of Operations, Australia, 1987-88* (Catalogue No. 8203.0).
- *Manufacturing Industry, Selected Items of Data by Employment Size, Australia, 1987-88* (Catalogue No. 8204.0) expected to be released later this year.
- *Manufacturing Commodities, Selected Principal Articles Produced, Australia, 1986-87 Preliminary* (Catalogue No. 8365.0).
- *Manufacturing Commodities Principal Articles Produced, Australia, 1986-87* (Catalogue No. 8303.0).
- *Production Statistics, Australia, Preliminary* (Catalogue No. 8301.0).
- *Manufacturing Production Bulletins (various)* (Catalogue Nos. 8357.0 to 8368.0) issued monthly.

Additional Data

16. Data additional to that released in this publication is available from the ABS. On request, the details of data required to satisfy users specific needs will be examined and where possible subject to ABS confidentiality rules, will be prepared and released to users. A charge may be made for providing such information.

17. This publication presents regional data in some detail. However some users have very specific needs which may, for example, involve the aggregation of several small geographical areas to enable a broader range of industry data to be released. Users who have specific requirements not covered in the publication should make contact with the officer listed in the front of the publication.

Symbols and Other Usage

- nil or rounded to zero.
- .. not applicable.
- n.a. not available
- n.p. not available for publication but included in totals where applicable
- n.e.c. not elsewhere classified.
- n.y.a. not yet available.
- ASIC Australian Standard Industrial Classification.
- SD Statistical Division
- SSD Statistical Sub-division

18. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

TECHNICAL NOTE: RELIABILITY OF 1987-88 MANUFACTURING CENSUS DATA

The 1987-88 Manufacturing Census data contained in this publication are subject to error arising from a number of possible sources. This technical note describes some of the operations in the collection and processing of the Census. This information will assist users in interpreting the data provided in Sections 1 to 5.

2. The reliability of the 1987-88 Manufacturing Census data is affected by non-sampling errors. These arise as a result of errors in the reporting and processing of data, and can occur in any type of statistical collection, whether a sample or the complete population is enumerated.

3. It is difficult to measure the size of non-sampling errors and their significance could vary from question to question in the Manufacturing Census. Every effort is made to minimise the effects of these errors. These efforts are described below.

4. Non-sampling errors can be introduced through:

(a) *Non-response.* In the Manufacturing Census, this could occur because some businesses did not complete a Census form. These forms were despatched in August - September 1988. Achieving acceptable levels of response required the use of several mail reminders to outstanding businesses. Those not received by the due date were contacted either by telephone or personal visit by ABS staff to collect outstanding information. Overall response in New South Wales at the conclusion of these procedures was just over 94 per cent. Data for outstanding businesses was then estimated using information from previous years, and/or averages derived from forms received from other businesses for the 1987-88 Census.

Non-response bias arising from the incorrect estimation of outstanding forms is likely to be higher for small manufacturing businesses which are more difficult to contact, and which enter and leave the industry more readily.

Special attention was given to obtaining data from large manufacturing businesses which account for 56 per cent of

employment in the sector. Response for these businesses was above that obtained for the entire collection.

(b) *Inaccurate or incomplete reporting by respondents.* Respondents to the Manufacturing Census may unwittingly provide incorrect information because of the inclusion of ambiguous or unclear questions on the Census form. Also, they may not have answered a question if information was not readily available from their accounts.

The level of reporting error in the Manufacturing Census depends on the size of the enterprise and the complexity of the forms used to obtain the data. Error rates for smaller organizations were generally low due to the limited range of data items collected.

To minimize this source of non-sampling error care is taken in form design and they are pilot tested prior to the commencement of the collection. In addition, all forms received were examined by ABS staff to identify and correct errors due to inaccurate reporting and incorrect data entry. Where necessary respondents were contacted to obtain the required information.

To minimize the impact of reporting error on data tabulations the ABS adopts a "significance" approach to data editing. This involves giving more detailed attention to forms from large manufacturing businesses where undetected errors would have a more significant effect on aggregated totals.

(c) *Errors in data entry and processing.* An example would be the incorrect coding of industry.

5. The impact of non-sampling error on aggregated data increases as the size of the geographic region tabulated decreases. For example, in the case of Statistical Local Areas only a small number of establishments contribute to the total for any given data item. Any errors in collection and processing are likely to have greater significance for all small area tabulations than those at the state level.

Statistical Division **05 SYDNEY**
 Statistical Subdivision **INNER SYDNEY 05**
 Statistical Local Area **3800**

STATISTICAL LOCAL AREAS

LGA	SLA	NAME
0150	0150	Ashfield (M)
0200	0200	Auburn (M)
0350	0350	Bankstown (C)
0500	0500	Baulkham Hills (S)
0750	0750	Blacktown (C)
0800	0900	Blue Mountains (C)
1100	1100	Botany (M)
1300	1300	Burwood (M)
1450	1450	Camden (M)
1500	1500	Campbelltown (C)
1550	1550	Canterbury (M)
1800	1900	Concord (M)
2550	2550	Drummoyne (M)
2850	2850	Fairfield (C)
3100	3100	Gosford (C)
3800	3800	Hawkesbury (S)
3950	3950	Holroyd (M)
4000	4000	Hornsby (S)
4100	4100	Hunter's Hill (M)
4150	4150	Hurstville (M)
4450	4450	Kogarah (M)
4500	4500	Ku-Ring-Gai (M)
4700	4700	Lane Cove (M)
4800	4800	Leichhardt (M)
4900	4900	Liverpool (C)
5150	5150	Manly (M)
5200	5200	Marrickville (M)
5350	5350	Mosman (M)
5850	5950	North Sydney (M)
6250	6250	Parramatta (C)
6350	6350	Penrith (C)
6550	6550	Randwick (M)
6650	6650	Rockdale (M)
6700	6700	Ryde (M)
7100	7100	Strathfield (M)
7150	7150	Sutherland (S)
7200		Sydney (C)
	7201	Sydney (C) - Inner
	7202	Sydney (C) - Remainder
8000	8000	Warringah (S)
8050	8050	Waverley (M)
8250	8250	Willoughby (M)
8400	8400	Wollondilly (S)
8500	8500	Woolahra (M)
8550	8550	Wyong (S)



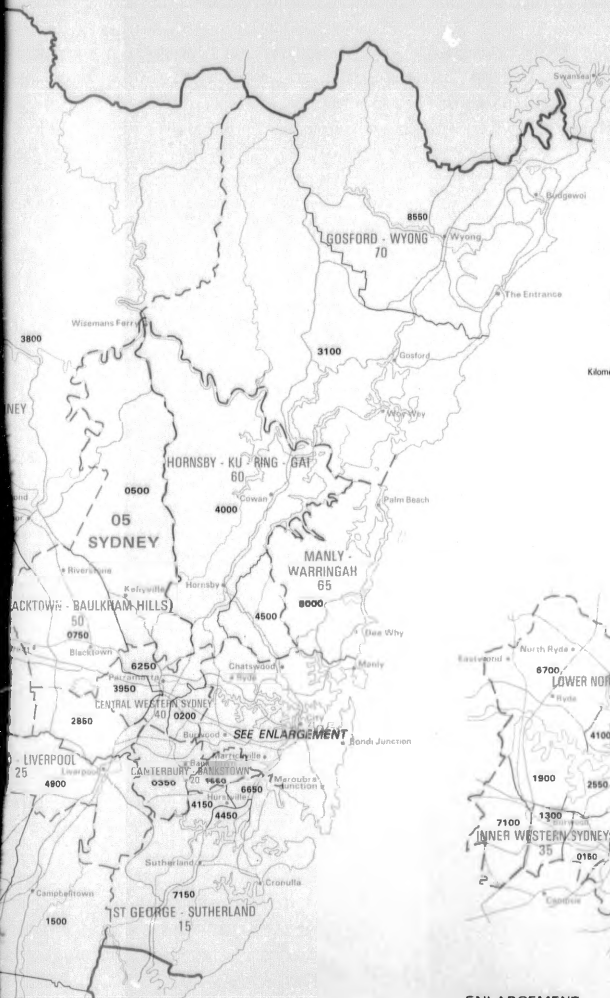
Prepared for the Australian Bureau of Statistics
 by the Division of National Mapping, 1987

SYDNEY STATISTICAL DIVISION

1986 CENSUS

SCALE 1:600 000

Kilometres 5 0 5 10 15 20 25 Kilometres



ENLARGEMENT

SCALE 1:250 000

Kilometres 2 0 2 4 6 8 10 Kilometres



STATISTICAL LOCAL AREAS

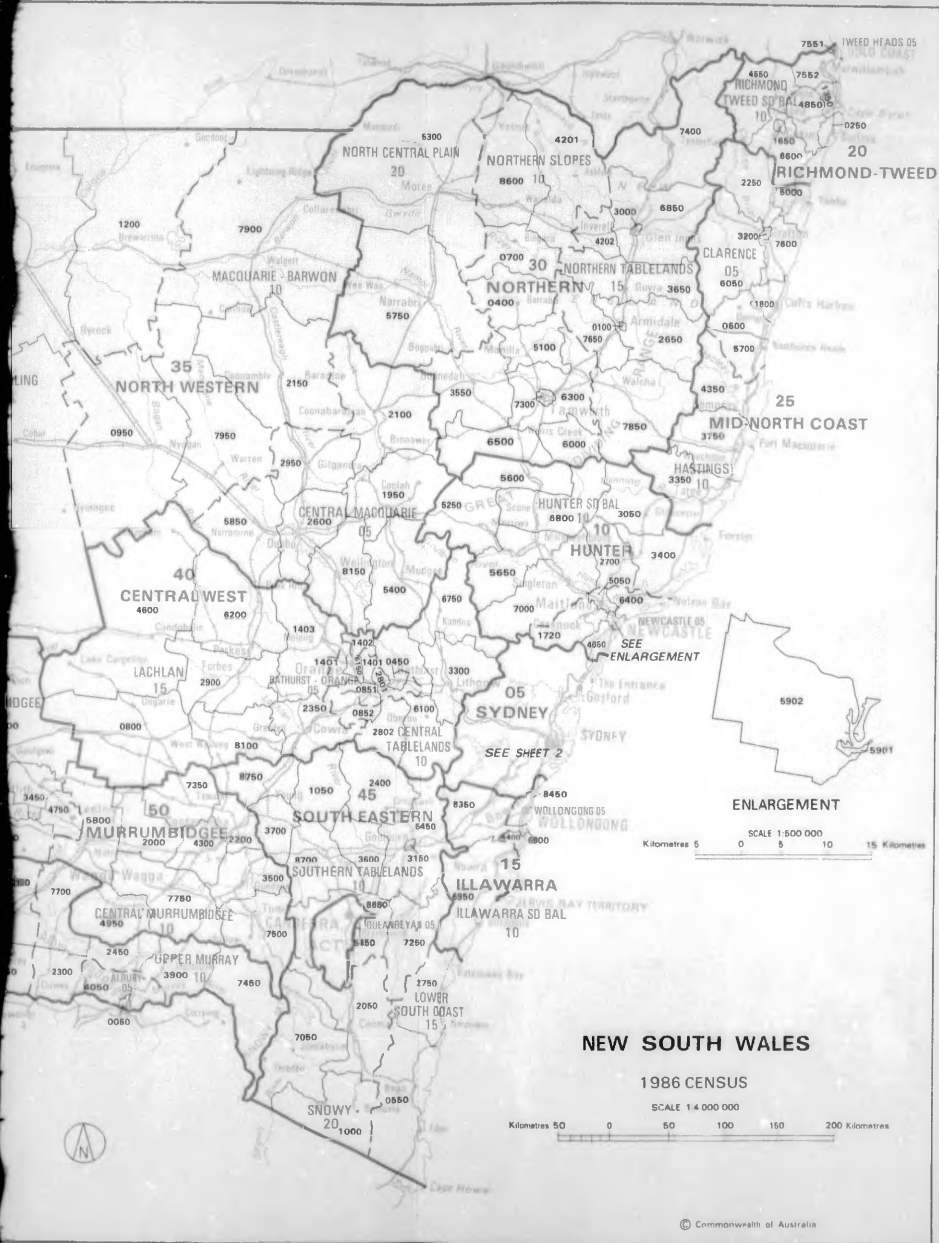
LGA	SLA	NAME	LGA	SLA	NAME
0050	0050	Albury (C)	4300	4300	Junea (S)
0100	0100	Armidale (C)	4350	4350	Kempsay (S)
0250	0250	Balinaline (S)	4400	4400	Kiama (M)
0300	0300	Balranald (S)	4550	4550	Kyogle (S)
0400	0400	Barraba (S)	4600	4600	Lachlan (S)
0450	0450	Bathurst (C)	4650	4650	Lake Macquarie (C)
0550	0550	Bega Valley (S)	4750	4750	Leeton (S)
0600	0600	Bellington (S)	4850	4850	Lismore (C)
0650	0650	Berrigan (S)	4950	4950	Lockhart (S)
0700	0700	Bingara (S)	5000	5000	Maclean (S)
0800	0800	Bland (S)	5050	5050	Maitland (C)
0850		Blayney (S)	5100	5100	Manilla (S)
	0851	Blayney (S) - Pt A	5250	5250	Merriwa (S)
	0852	Blayney (S) - Pt B	5300	5300	Moree Plains (S)
0950	0950	Bogan (S)	5400	5400	Mudgee (S)
1000	1000	Bombala (S)	5450	5450	Mulwaree (S)
1050	1050	Boorowa (S)	5500	5500	Murray (S)
1150	1150	Bourke (S)	5550	5550	Murrumbidgee (S)
1200	1200	Brewarrina (C)	5600	5600	Murrumbidgee (S)
1250	1250	Broken Hill (C)	5650	5650	Muswellbrook (S)
1350	1350	Byron (S)	5700	5700	Nambucca (S)
1400		Cabonne (S)	5750	5750	Narrabri (S)
	1401	Cabonne (S) - Pt A	5800	5800	Narrandera (S)
	1402	Cabonne (S) - Pt B	5850	5850	Narromine (S)
	1403	Cabonne (S) - Pt C	5900		Newcastle (C)
1600	1600	Carrathool (S)	5901		Newcastle (C) - Inner
1650	1650	Casino (M)	5902		Newcastle (C) - Remainder
1700	1700	Central Darling (S)	6000	6000	Nundle (S)
1720	1720	Cessnock (C)	6050	6050	Nymboida (S)
1750	1750	Cobar (S)	6100	6100	Oberon (S)
1800	1800	Coff's Harbour (S)	6150	6150	Orange (C)
1850	1850	Conargo (S)	6200	6200	Parkes (S)
1950	1950	Coolah (S)	6300	6300	Perry (S)
2000	2000	Coolamon (S)	6400	6400	Port Stephens (S)
2050	2050	Cooma-Monaro (S)	6450	6450	Queanbeyan (C)
2100	2100	Coonabarabran (S)	6500	6500	Quirindi (S)
2150	2150	Coonamble (S)	6600	6600	Richmond River (S)
2200	2200	Cootamundra (S)	6750	6750	Rylstone (S)
2250	2250	Copmanhurst (S)	6800	6800	Scone (S)
2300	2300	Corowa (S)	6850	6850	Seymour (S)
2350	2350	Cowra (S)	6900	6900	Shellharbour (M)
2400	2400	Crookwell (S)	6950	6950	Shoalhaven (C)
2450	2450	Culcairn (S)	7000	7000	Singleton (S)
2500	2500	Deniliquin (M)	7050	7050	Snowy River (S)
2600	2600	Dubbo (C)	7250	7250	Tallaganda (S)
2650	2650	Dumaresq (S)	7300	7300	Tamworth (C)
2700	2700	Dungog (S)	7350	7350	Temora (S)
2750	2750	Eurobodallie (S)	7400	7400	Tenterfield (S)
2800		Evans (S)	7450	7450	Tumbarumba (S)
	2801	Evans (S) - Pt A	7500	7500	Tumut (S)
	2802	Evans (S) - Pt B	7550		Tweed (S)
2900	2900	Forbes (S)	7551		Tweed (S) - Pt A
2950	2950	Gilgandra (S)	7552		Tweed (S) - Pt B
3000	3000	Glen Innes (M)	7600	7600	Ullmarra (S)
3050	3050	Gloucester (S)	7650	7650	Uralla (S)
3150	3150	Goulburn (C)	7700	7700	Urana (S)
3200	3200	Grafton (C)	7750	7750	Wagga Wagga (C)
3300	3300	Greater Lithgow (C)	7800	7800	Wakool (S)
3350	3350	Greater Taree (C)	7850	7850	Walcha (S)
3400	3400	Great Lakes (S)	7900	7900	Walgett (S)
3450	3450	Griffith (S)	7950	7950	Warren (S)
3500	3500	Gundagai (S)	8100	8100	Weddin (S)
3550	3550	Gunnedah (S)	8150	8150	Wellington (S)
3600	3600	Gunning (S)	8200	8200	Wentworth (S)
3650	3650	Guyra (S)	8300	8300	Windouran (S)
3700	3700	Harden (S)	8350	8350	Wingecarribee (S)
3750	3750	Hastings (M)	8450	8450	Wollongong (C)
3850	3850	Hay (S)	8600	8600	Yalleroi (S)
3900	3900	Holbrook (S)	8650	8650	Yarrowlumla (S)
4050	4050	Hume (S)	8700	8700	Yass (S)
4200		Inverell (S)	8750	8750	Young (S)
	4201	Inverell (S) - Pt A	8809		Unincorp Far West
	4202	Inverell (S) - Pt B	8859		Lord Howe Island
4250	4250	Jerilderie (S)	9779		Off-Shore Areas & Migratory

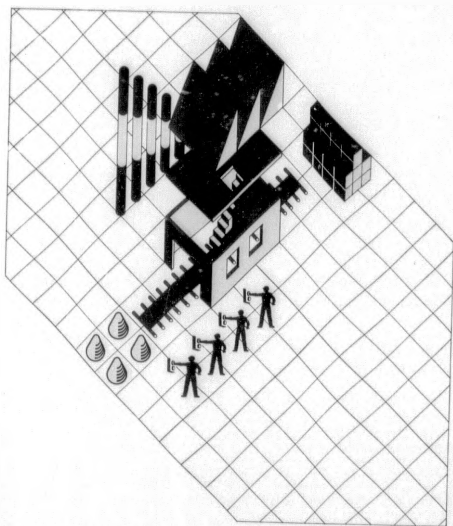


Statistical Division 10 HUNTER
Statistical Subdivision ALBURY 05
Statistical Local Area 7900



Prepared for the Australian Bureau of Statistics
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