



1992-93

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Manufacturing Industry

South Australia



**MANUFACTURING INDUSTRY
SOUTH AUSTRALIA
1992-93**

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INQUIRIES	<ul style="list-style-type: none"> ■ <i>for further information about statistics in this publication and the availability of related unpublished statistics, contact John Ridley on Sydney (02) 9268 4541 or any other ABS office.</i> ■ <i>for information about other ABS statistics and services please refer to the back cover of this publication.</i>
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INTRODUCTION

ABOUT THIS ISSUE

This publication contains detailed industry statistics compiled from a survey of manufacturing establishments (see paragraphs 8 and 9 of the Explanatory Notes) conducted in respect of 1992-93, with some comparative statistics for earlier years. It expands and updates the information for South Australia which was published in *Manufacturing Industry, Australia, 1992-93, Preliminary* (8201.0), which was released on 25 August 1994 and *Manufacturing Industry, Australia, 1992-93* (8221.0), which was released on 12 March 1996. All previous manufacturing collections were conducted on a census basis.

For the 1992-93 manufacturing collection, a sample of approximately 21,000 manufacturing businesses, nationally, was approached to provide detailed information on employment, wages and salaries paid, income, expenses, and assets and liabilities. In addition to this 'traditional' output, this publication also presents data on gross product at factor cost (average 1989-90 prices) in table 4.

Conversely, no sub-State data are contained in this publication. This is a direct result of the 1992-93 collection being a sample survey and not a census. These data will be next available in respect of the 1993-94 reference year.

New industry classification

This publication introduces the new industry classification to a broad range of annual manufacturing statistics. The new classification is the Australian and New Zealand Standard Industrial Classification (ANZSIC), which replaces the Australian Standard Industrial Classification (ASIC) used prior to the 1992-93 reference year. Manufacturing collections dating back to the 1989-90 reference year have been coded using both industry classifications. All time series comparisons in this publication are made on a consistent ANZSIC basis. More information on this industry classification can be found in the introduction to table 9 in the 1991-92 issue of this publication and in the *Australian and New Zealand Standard Industrial Classification, 1993* (1292.0).

New industry gross product measure

Industry gross product is a measure which closely approximates the National Accounting data item 'gross product at factor cost'. Data for gross product at factor cost (at average 1989-90 prices) by industry subdivision are contained in table 4 of this publication. The data item industry gross product is used widely in the range of economic statistics produced by the ABS. Adoption of industry gross product for manufacturing statistics will facilitate comparison of net production by the manufacturing industry with net production of other industries, as well as providing a better net production measure for the manufacturing industry.

In terms of definition, the difference between value added and industry gross product is that industry gross product takes into account more of the operating expenses which are incurred by manufacturers in the production, marketing and distribution processes. However, industry gross product for an industry should not be interpreted as profit or surplus for that industry. There are several important expense items which are not included in the calculation.

An indicator of the difference is given by total manufacturing in South Australia for 1992-93, where establishment value added amounted to \$5.7 billion while establishment industry gross product amounted to \$4.0 billion. Estimates for 1992-93 establishment industry gross product for individual manufacturing industries are available on request.

**ADJUSTED FIGURES IN FUTURE
ISSUES OF THIS PUBLICATION**

Recent investigations have shown that not all manufacturers falling within the scope of the 1992-93 manufacturing survey were recorded on the ABS business register at the time that the sample was selected. It has not been feasible to adjust the detailed information contained in this publication to allow for the operations of these excluded manufacturers. The shortfall for total South Australian manufacturing is approximately 3% for 1992-93 turnover and 5% for employment at the end of June 1993.

Adjustments to allow for the shortfall in 1992-93 data will be carried out as soon as feasible. Adjusted data for broad aggregates for the year 1992-93 will appear in the 1993-94 issue of this publication, which will also contain an explanation of the adjustment process. In the interim, further information concerning the adjustments is available from the ABS (see 'Inquiries' on page iii) or by reference to paragraphs 13 and 14 of the Explanatory Notes to the 1993-94 issue of *Manufacturing Industry, Australia, Preliminary* (8201.0).

UNPUBLISHED DATA

A considerable amount of data from the annual manufacturing collection exists in unpublished form. More detailed information to satisfy individual user requirements may be available on request. Further details can be obtained by contacting the NSW Office of the ABS — see page iii for contact details.



TABLE 1. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY SUBDIVISION
SOUTH AUSTRALIA, 1989-90 TO 1992-93 (b)

Industry subdivision		Establishments at 30 June (c) (No.)	Employment at end of June (d) ('000)	Wages and salaries (e)(f) (\$m)	Turnover (f) (\$m)	Persons employed per establishment (No.)	Turnover per person employed (g) (\$'000)		
ANZSIC code	Description								
21	Food, beverage and tobacco mfg	1992-93	373	15.2	398.2	2,872.5	41	189.5	
		1991-92 r	393	15.0	380.8	2,744.4	38	183.5	
		1990-91	390	16.2	380.4	2,726.6	42	168.3	
		1989-90	400	15.9	375.4	2,641.1	40	166.1	
22	Textile, clothing, footwear and leather mfg	1992-93	180	5.5	141.5	805.1	31	145.1	
		1991-92	205	5.8	154.4	808.2	28	139.6	
		1990-91	221	6.5	150.8	770.9	29	118.5	
		1989-90	210	7.2	149.3	715.3	34	99.2	
23	Wood and paper product mfg	1992-93	230	5.3	164.9	835.4	23	157.4	
		1991-92	249	5.6	157.9	758.7	23	135.3	
		1990-91	255	5.4	154.1	742.0	21	136.9	
		1989-90	260	5.9	154.2	682.9	23	115.6	
24	Printing, publishing and recorded media	1992-93	264	5.2	152.1	631.7	20	121.5	
		1991-92	290	5.2	154.3	614.2	18	117.8	
		1990-91	283	5.6	154.9	569.7	20	101.0	
		1989-90	293	5.8	149.1	580.3	20	100.1	
25	Petroleum, coal, chemical and associated product mfg	1992-93	197	6.7	213.0	1,396.3	34	208.2	
		1991-92	225	6.9	214.3	1,408.8	30	205.3	
		1990-91	210	7.8	227.1	1,463.0	37	186.6	
		1989-90	195	7.6	200.1	1,204.9	39	159.5	
26	Non-metallic mineral product mfg	1992-93	116	2.7	93.1	518.6	23	195.3	
		1991-92 r	137	2.8	84.9	493.2	20	175.8	
		1990-91	149	3.1	98.8	545.0	21	174.4	
		1989-90	161	3.8	109.4	592.9	23	157.2	
27	Metal product mfg	1992-93	472	11.8	377.3	2,340.3	25	198.0	
		1991-92	530	12.5	411.4	2,268.4	24	181.8	
		1990-91	547	14.3	418.6	2,249.1	26	157.3	
		1989-90	552	15.2	402.8	2,306.1	28	151.8	
28	Machinery and equipment mfg	1992-93	633	27.2	818.2	5,092.7	43	187.4	
		1991-92 r	661	28.2	823.1	5,474.7	43	194.2	
		1990-91	663	29.3	832.7	5,655.7	44	193.1	
		1989-90	677	31.5	813.4	5,685.3	47	180.3	
29	Other manufacturing	1992-93	367	3.9	82.7	363.0	11	93.9	
		1991-92	420	3.9	82.5	366.4	9	93.4	
		1990-91	441	4.6	105.5	435.0	10	94.4	
		1989-90	473	5.4	104.5	454.6	11	84.5	
21-29 Total manufacturing		1992-93	2,833	83.4	2,441.0	14,855.7	29	178.0	
		1991-92 r	3,110	85.8	2,463.7	14,936.9	28	174.0	
		1990-91	3,160	92.9	2,522.9	15,157.0	29	163.1	
		1989-90	3,221	98.2	2,458.2	14,863.4	31	151.3	

(a) See paragraph 8 of the Explanatory Notes. (b) For comparability of data over the time periods shown, see paragraph 15 of the Explanatory Notes. (c) See paragraphs 5 to 11 of the Explanatory Notes. (d) Includes working proprietors. (e) Excludes the drawings of working proprietors. (f) Value data are at current prices and, therefore, do not discount the impact of price changes. (g) Turnover divided by the number of persons employed at the end of June.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS SOUTH AUSTRALIA 1992-93

Industry class ANZSIC code	Description	Turnover			Profitability			Value added expenditure (\$m)			Net capital expenditure (\$m)
		Establishments at 30 June (No.)	Employment at end of June (a) (No.)	Wages and salaries (\$m)	Total sales of goods and transfers out (\$m)	Balance of turnover (\$m)	Total transfers in (\$m)	Selected expenses (\$m)	Opening stocks (\$m)	Closing stocks (\$m)	
FOOD, BEVERAGE AND TOBACCO MFG—											
2111	Meat and meat product mfg—	42	2,936	79.5	402.4	22.1	424.6	263.7	14.1	14.0	22.4
2112	Meat processing	10	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	7.9
2113	Poultry processing	18	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
<i>Total</i>		70	4,272	110.9	625.7	22.5	648.2	417.5	23.7	29.4	216.4
2121	Dairy product mfg—	4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2122	Milk and cream processing	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2129	Ice cream mfg	11	466	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
<i>Total</i>		17	681	19.7	331.5	6.5	332.0	311.7	16.4	22.0	116.6
212	Dairy product mfg										116.7
213	Fruit and vegetable processing	14	698	20.8	195.6	6.4	202.0	67.1	13.4	45.6	32.2
<i>Total</i>		1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	32.2
214	Oil and fat mfg										32.2
2151	Flour mill and cereal food mfg—	9	205	5.4	65.0	0.1	65.1	45.3	4.0	5.5	7.9
2152	Flour mill product mfg	15	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	7.9
<i>Total</i>		24	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	7.9
215	Cereal food and baking mix mfg										7.9
2161	Bakery product mfg	50	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2162	Bread mfg	46	1,473	31.0	96.1	0.2	96.3	30.6	9.4	2.6	2.5
2163	Cake and pastry mfg	4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	56.2
<i>Total</i>		109	3,276	78.5	275.7	0.7	276.1	95.9	23.1	7.7	109.0
216	Biscuit mfg										109.0
2171	Other food mfg		—	—	—	—	—	—	—	—	—
2172	Sugar mfg	10	139	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2173	Confectionery mfg	21	557	12.4	194.3	1.6	195.9	141.6	10.5	21.2	20.9
2174	Seafood processing	14	247	7.0	104.9	0.2	105.1	80.3	5.4	5.1	5.8
2179	Prepared animal and bird feed mfg	17	766	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	20.2
<i>Total</i>		62	1,710	40.2	417.1	2.2	419.3	277.4	22.3	27.0	277.5
217	Food mfg n.e.c.										277.5

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1992-93—*continued*

Industry class	ANZSIC code	Description	Employment at end of June		Wages and salaries (f.d.) (\$m)		Total sales of goods and services out turnover (\$m)		Purchases and transfers in (\$m)		Opening stocks (\$m)		Closing stocks (\$m)		Value added (\$m)		Net capital expenditure (\$m)	
			Establishments at 30 June (No.)	Persons (f.m.)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Beverage and malt mfg—																		
Soft drink, cordial and syrup mfg	2181	10	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Beer and malt mfg	2182	6	703	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Wine mfg	2183	66	2,678	68.6	484.2	484.2	4.4	488.6	216.0	311.7	321.2	343.2	262.9	17.1	n.p.	n.p.	n.p.	n.p.
Spirit mfg	2184	3	n.p.	n.p.	n.p.	n.p.	8.5	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total	218	85	4,052	116.0	863.2	863.2	8.5	871.7	385.7	62.8	371.4	392.4	444.8	30.8	30.8	30.8	30.8	30.8
Tobacco product mfg—	219	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tobacco product mfg	219	373	15,157	398.2	2,829.7	2,829.7	42.6	2,872.5	1,527.9	1,622.5	1,622.5	541.3	1,199.2	1,199.2	1,199.2	1,199.2	1,199.2	1,199.2
Total food, beverage and tobacco mfg	21	373	15,157	398.2	2,829.7	2,829.7	42.6	2,872.5	1,527.9	1,622.5	1,622.5	541.3	1,199.2	1,199.2	1,199.2	1,199.2	1,199.2	1,199.2
TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG—																		
Textile fibre, yarn and woven fabric mfg—																		
Wool scouring	2211	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Synthetic fibre textile mfg	2212	3	276	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Cotton textile mfg	2213	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Wool textile mfg	2214	3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Textile finishing	2215	3	39	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total	221	11	1,190	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Textile product mfg—																		
Made-up textile product mfg	2221	38	623	15.8	63.3	63.3	3.1	66.4	32.4	5.9	8.9	7.5	26.8	1.4	—	—	—	—
Textile floor covering mfg	2222	4	n.p.	n.p.	n.p.	n.p.	—	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Rope, cordage and twine mfg	2223	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Textile product mfg n.e.c.	2224	5	n.p.	n.p.	n.p.	n.p.	75.1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total	222	47	737	18.2	73.7	73.7	3.8	78.9	39.3	7.2	7.2	7.2	9.3	9.3	9.3	9.3	9.3	9.3
Knitting mills—																		
Hosiery mfg	2231	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cardigan and pullover mfg	2232	4	86	1.5	4.0	4.0	—	4.0	1.4	0.2	0.7	0.6	2.2	2.2	0.2	0.2	0.2	0.2
Knitting mill product mfg n.e.c.	2233	6	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total	223	10	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Clothing mfg—																		
Men's and boys' wear mfg	2241	20	1,106	25.0	110.5	110.5	9.8	120.2	44.2	5.6	16.5	17.2	71.1	1.3	—	—	—	—
Women's and girls' wear mfg	2242	27	743	15.5	74.5	74.5	0.7	75.2	34.2	7.8	9.1	9.3	33.4	0.6	—	—	—	—
Sleepwear, underware and infant clothing mfg	2243	3	74	1.6	5.8	5.8	—	5.8	1.0	1.4	0.8	0.9	3.5	0.2	—	—	—	—
Clothing mfg n.e.c.	2244	36	334	7.0	28.1	28.1	2.0	30.1	11.2	1.8	5.2	4.7	16.5	2.2	—	—	—	—
Total	224	86	2,257	49.1	2,257	2,257	12.5	2,257	1,666	371.7	371.7	371.7	1,246	2.1	—	—	—	—

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1992-93—continued

Industry class		Turnover						Purchases and transfers in						Net capital expenditure (\$m)	
ANZSIC code	Description	Establishments at 30 June (b) (No.)	Employment at end of June (c) (No.)	Wages and salaries (f) (\$m)	Total sales of goods and transfers out (\$m)	Balance of transfers out (\$m)	Total turnover (\$m)	Opening stocks (\$m)	Selected expenses (\$m)	Operating stocks (\$m)	Closing stocks (\$m)	Value added (\$m)	Capital expenditure (\$m)		
225	Footwear mfg	13	878	21.9	75.6	0.3	75.9	30.1	44.8	3.2	43.0	40.8	0.3		
2261	Leather and leather product mfg—	8	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2262	Leather tanning and fur dressing	5	17	17	17	0.0	17	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
226	Leather and leather substitute product mfg	13	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
	Total														
22	Total textile, clothing, footwear and leather mfg	180	5,547	141.5	777.2	28.0	805.1	420.6	44.7	131.5	121.3	329.6	7.2		
WOOD AND PAPER PRODUCT MFG															
2311	Log sawmilling and timber dressing—	18	1,162	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2312	Wood chipping	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2313	Timber resawing and dressing	7	1,245	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
	Total	26	49.2	243.9	2.2	346.1	130.1	27.5	31.1	25.2	25.2	82.6	8.8		
2321	Other wood product mfg—	4	226	5.9	32.2	3.2	32.2	14.8	3.6	3.7	3.1	3.4	1.2		
2322	Plywood and veneer mfg	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2323	Fabricated wood mfg	122	1,309	29.9	103.1	[4.]	117.3	55.2	9.0	9.0	6.7	50.8	2.0		
2329	Wooden structural component mfg	57	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
	Total	184	2,086	50.0	231.1	15.8	347.0	118.2	11.6	23.7	19.2	162.8	5.3		
2331	Paper and paper product mfg	5	56	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2332	Pulp, paper and paperboard mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2333	Solid paperboard container mfg	6	586	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2334	Corrugated paperboard container mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2339	Paper bag and sack mfg	2	672	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
	Total	39	1,475	65.6	340.3	2.1	342.4	187.0	20.5	28.0	33.9	145.8	19.3		
23	Total wood and paper product mfg	230	5,306	164.9	815.3	26.1	835.4	430.3	69.6	82.8	78.4	331.1	33.3		
PRINTING, PUBLISHING AND RECORDED MEDIA—															
2411	Printing and services to printing—	32	1,147	34.8	159.4	0.4	159.8	75.7	18.1	23.5	20.8	63.3	7.8		
2412	Paper stationery mfg	140	1,832	49.9	189.0	6.5	195.5	84.8	17.2	13.7	14.6	94.4	8.6		
2413	Printing	30	366	9.0	19.9	4.3	24.2	7.2	1.8	0.8	0.8	15.2	1.0		
	Services to printing	203	3,345	93.7	368.4	11.1	379.5	167.6	37.0	38.0	36.1	172.9	17.4		

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1992-93--continued

Industry class ANZSIC code	Description	Turnover						Net capital expenditure (\$m)						Net capital expenditure (\$m)					
		Establishments at 30 June (b) (No.)		Employment at end of June (c) (No.)		Wages and salaries (\$m)		Total sales of goods and transfers out (\$m)		Purchases and transfers in (\$m)		Selected expenses (\$m)		Opening stocks (\$m)		Closing stocks (\$m)		Value added (\$m)	
2421	Publishing	34	1,615	53.4	81.1	151.7	232.9	55.2	11.8	8.1	7.2	165.0	4.2						
2421	Newspaper printing or publishing	11	71	1.6	4.4	0.7	5.2	1.2	0.2	0.2	0.2	2.9	—						
2422	Other periodical publishing	15	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.						
2423	Book and other publishing	60	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.						
242	Total																		
243	Recorded media manufacturing and publishing	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
24	Total printing, publishing and recorded media	264	5,201	152.1	467.9	163.8	631	229.4	51.5	47.4	44.7	348.2	21.7						
PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG																			
251	Petroleum refining	3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
252	Petroleum and coal product mfg n.e.c.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
2531	Basic chemical mfg	11	300	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2532	Fertiliser mfg	3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2533	Industrial gas mfg	7	118	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2534	Synthetic resin mfg	3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2535	Organic industrial chemical mfg n.e.c.	13	509	22.6	147.3	0.4	147.7	70.4	33.9	15.2	13.6	41.8	1.3	1.3	1.3	1.3	1.3		
253	Inorganic industrial chemical mfg n.e.c.	37	1,485	44.1	336.5	16.3	352.8	179.7	48.5	46.5	47.7	49.7	7.2	7.2	7.2	7.2	7.2		
2541	Total																		
2541	Other chemical product mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2542	Explosive mfg	7	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2543	Paint mfg	9	349	16.8	91.8	4.3	96.1	40.0	5.8	14.3	16.1	52.1	3.8	3.8	3.8	3.8	3.8		
2544	Medicinal and pharmaceutical product mfg	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2544	Pesticide mfg	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2545	Soap and other detergent mfg	6	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2546	Cosmetic and toiletry preparation mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2547	Ink mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2549	Chemical product mfg n.e.c.	8	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
254	Total	37	1,131	34.6	226.7	4.5	226.2	111.7	33.2	36.5	36.5	67							
2551	Rubber product mfg--	9	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2559	Rubber tyre mfg	10	95	2.9	11.0	—	—	—	—	—	—	—	—	—	—	—	—		
255	Rubber product mfg n.e.c.	19	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
	Total																		

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1992-93.—continued

Industry class ANZSIC code	Description	Employment						Wages and salaries (c) (\$m)						Purchases and transfers in (d) (\$m)						Opening stocks (e) (\$m)						Closing stocks (f) (\$m)						Value added (g) (\$m)						Net capital expenditure (h) (\$m)					
		Establishments at 30 June (b)			Employment at end of June (No.)			Total sales of goods and transfers out (f\$m)			Balance of turnover (f\$m)			Total (\$m)			Selected expenses (\$m)			Purchases and transfers in (\$m)			Opening stocks (\$m)			Closing stocks (\$m)			Value added (\$m)			Net capital expenditure (\$m)											
Plastic product mfg—																																											
2561	Plastic blow moulded product mfg	5	258	6.8	40.9	0.1	40.9	20.9	2.2	2.6	2.0	17.3	1.8																														
2562	Plastic extruded product mfg	11	355	9.9	62.0	0.7	62.7	29.8	4.1	7.5	9.3	30.5	4.5																														
2563	Plastic bag and film mfg	13	632	16.7	103.6	0.8	104.3	54.3	3.5	12.6	11.6	45.6	6.2																														
2564	Plastic product, rigid fibre reinforced, mfg	9	43	0.8	3.5	0.3	3.9	1.8	0.2	0.5	0.4	1.8	—																														
2565	Plastic foam product mfg	5	84	2.4	16.8	—	16.8	9.3	1.0	0.8	0.9	6.6	—																														
2566	Plastic injection moulded product mfg	59	1,355	37.2	163.9	0.9	164.8	63.7	11.9	13.1	12.6	88.6	4.5																														
256	Total	107	2,727	73.8	399.6	2.8	393.4	179.8	23.7	37.0	36.9	160.4	13.9																														
25	<i>Total petroleum, coal, chemical and associated product mfg</i>	197	6,708	213.0	1,319.5	76.9	1,396.3	712.3	123.0	149.6	144.6	556.0	75.5																														
NON-METALLIC MINERAL PRODUCT MFG																																											
261	Glass and glass product mfg	11	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.																														
Ceramic mfg—																																											
2621	Clay brick mfg	8	275	9.4	46.2	0.3	46.5	12.7	6.7	9.6	10.4	27.8	1.9																														
2622	Ceramic product mfg	4	36	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.																														
2623	Ceramic tile and pipe mfg	4	74	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.																														
2629	Ceramic product mfg n.e.c.	13	86	1.4	3.5	—	3.5	1.0	0.3	0.3	0.3	2.7																															
262	Total	29	471	13.9	60.6	0.4	61.1	17.2	9.0	13.3	13.7	35.4	1.9																														
Cement, lime, plaster and concrete product mfg—																																											
2631	Cement and lime mfg	3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.																														
2632	Plaster product mfg	10	327	10.9	82.2	1.5	83.7	63.7	13.6	13.7	13.7	63.5	1.5																														
2633	Concrete slurry mfg	8	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.																														
2634	Concrete pipe and box culvert mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.																														
2635	Concrete product mfg n.e.c.	30	534	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.																														
263	Total	33	1,392	53.5	334.6	9.2	343.8	156.8	55.8	36.7	36.7	24.8																															
264	<i>Non-metallic mineral product mfg n.e.c.</i>	23	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.																														
26	<i>Total non-metallic mineral product mfg</i>	116	2,655	93.1	508.1	10.4	518.6	220.0	73.7	74.6	68.0	218.4	1.4																														
METAL PRODUCT MFG																																											
2711	Iron and steel mfg	15	2,946	122.9	741.8	9.3	751.1	418.5	133.9	129.4	122.9	102.2	39.4																														
2712	Iron and steel casting and forging	14	573	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.																														
2713	Steel pipe and tube mfg	5	177	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.																														
271	Total	34	3,695	147.0	873.4	12.4	885.7	480.9	142.6	142.6	142.6	250.0	47.9																														

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1992-93—continued

Industry class ANZSIC code	Description	Turnover						Net capital expenditure (\$m)	
		Establishments at 30 June (th)		Wages and salaries (\$m)		Purchases and transfers in turnover (\$m)			
		(No.)	(c)	Total sales of goods and transfers out (\$m)	Balance of turnover (\$m)	Total expenses (\$m)	Selected expenses (\$m)		
Basic non-ferrous metal mfg—									
2721	Alumina production	...	...	...	...	...	...	...
2722	Aluminium smelting	3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2723	Copper, silver, lead and zinc smelting, refining	5	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2729	Basic non-ferrous metal mfg n.e.c.	8	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
272	<i>Total</i>	...	...	...	...	...	...	...
Non-ferrous basic metal product mfg—									
2731	Aluminium rolling, drawing, extruding	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2732	Non-ferrous metal rolling, drawing, extruding n.e.c.	10	358	n.p.	n.p.	n.p.	n.p.	n.p.	
2733	Non-ferrous metal casting	11	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
273	<i>Total</i>	...	...	...	...	...	...	...
Structural metal product mfg									
2741	Structural steel fabricating	79	1,114	28.9	151.1	9.6	160.8	96.6	
2742	Architectural aluminium product mfg	69	733	19.9	115.9	1.5	117.4	56.6	
2749	Structural metal product mfg n.e.c.	26	245	5.7	35.0	1.6	36.6	22.6	
274	<i>Total</i>	2,092	54.4	302.0	12.7	314.7	175.9	27.4	
Sheet metal product mfg—									
2751	Metal container mfg	4	77	n.p.	n.p.	n.p.	n.p.	n.p.	
2759	Sheet metal product mfg n.e.c.	75	1,089	n.p.	n.p.	n.p.	n.p.	n.p.	
275	<i>Total</i>	1,166	26.9	122.6	4.2	126.7	62.7	7.6	
Fabricated metal product mfg									
2761	Hand tool and general hardware mfg	13	140	n.p.	n.p.	n.p.	n.p.	n.p.	
2762	Spring and wire product mfg	24	502	10.6	45.8	0.9	46.7	5.7	
2763	Nut, bolt, screw and rivet mfg	10	169	3.8	14.5	0.4	14.5	6.5	
2764	Metal coating and finishing	53	704	14.4	45.6	1.5	47.1	17.0	
2765	Non-ferrous pipe fitting mfg	5	66	n.p.	n.p.	n.p.	n.p.	3.1	
2769	Fabricated metal product mfg n.e.c.	63	1,686	45.4	150.4	12.9	163.3	70.6	
276	<i>Total</i>	3,266	78.9	270.6	15.9	286.4	121.5	24.8	
27	<i>Total metal product mfg</i>	472	11,819	377.3	2,299.6	50.7	2,340.3	1,232.8	
							294.8	84.7	
							364.1	350.2	
								798.8	

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1992-93—continued

Industry class ANZSIC code	Description	Turnover						Net capital expenditure (\$m)		
		Establishments (a) 30 June (b) (No.)	Employment at end of June (c) (No.)	Wages and salaries (d) (\$m)	Total sales of goods and transfers out (\$m)	Balance of turnover (\$m)	Purchases and transfers in (\$m)	Selected expenses (\$m)	Opening stocks (\$m)	Closing stocks (\$m)
MACHINERY AND EQUIPMENT MFG.—										
2811	Motor vehicle and part mfg—	5	8,024	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2812	Motor vehicle body mfg	33	654	16.6	61.3	2.5	63.8	2.3	8.1	8.7
2813	Automotive electrical and instrument mfg	8	118	2.4	9.4	0.4	9.8	0.5	1.4	1.6
2819	Automotive component mfg n.e.c.	67	3,268	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
284	<i>Total</i>	112	12,063	372.3	2,800.7	51.0	2,851.8	1,976.5	406.1	449.6
Other transport equipment mfg—										
2821	Shipbuilding	4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2822	Boatbuilding	27	122	1.9	7.8	1.3	9.1	3.8	0.6	1.7
2823	Railway equipment mfg	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	4.9
2824	Aircraft mfg	10	82	2.9	4.2	8.2	12.3	4.6	0.1	0.3
2829	Transport equipment mfg n.e.c.	8	89	1.8	10.7	0.1	10.7	4.5	1.0	1.4
282	<i>Total</i>	50	1,454	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Photographic and scientific equipment mfg—										
2831	Photographic and optical good mfg	15	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2832	Medical and surgical equipment mfg	45	321	9.1	25.2	1.3	26.5	9.4	3.0	3.2
2839	Professional and scientific equipment mfg n.e.c.	18	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	4.9
283	<i>Total</i>	78	2,737	90.5	192.0	47.8	239.8	89.5	13.3	15.7
n.p. not published; n.e.c. not elsewhere classified										
Electronics equipment mfg—										
2841	Computer and business machine mfg	11	137	4.7	22.0	2.3	24.3	13.1	1.9	1.2
2842	Telecommunication, broadcasting and transceiving equipment mfg	6	415	12.7	47.3	0.9	48.2	18.7	1.5	6.8
2849	Electronic equipment mfg n.e.c.	26	223	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	7.9
284	<i>Total</i>	43	775	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	29.1
Electrical equipment and appliance mfg										
2851	Household appliance mfg	25	2,377	66.6	388.9	7.0	396.0	196.6	16.0	55.1
2852	Electric cable and wire mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	8.9
2853	Battery mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.5
2854	Electric light and sign mfg	14	224	7.5	28.7	2.1	30.8	17.1	2.2	4.6
2859	Electrical equipment mfg n.e.c.	45	2,968	72.2	339.2	10.2	349.4	179.7	50.1	120.0
285	<i>Total</i>	89	6,143	161.3	443.7	19.6	863.3	443.7	34.3	169.4
										6.4
										396.2
										20.2

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1992-93—continued

Industry class ANZSIC code	Description	Turnover										Net capital expenditure (\$m)		
		Establishments at 30 June (b) (No.)			Employment at end of June (c) (No.)			Wages and salaries (d) (\$m)			Purchases and transfers in (\$m)			
		Total	of which manufacturing (\$m)	of which trades (\$m)	Total sales of goods and services (\$m)	Balance of turnover (\$m)	Total transfers in (\$m)	Selected expenses (\$m)	Opening stocks (\$m)	Closing stocks (\$m)	Value added (\$m)			
Industrial machinery and equipment mfg—														
2861	Agricultural machinery mfg	50	626	15.4	61.4	2.4	63.8	28.7	3.3	13.6	13.0	31.2		
2862	Mining and construction machinery mfg	18	529	16.0	60.6	1.4	62.0	38.6	1.3	11.5	12.9	23.5		
2863	Food processing machinery mfg	5	27	0.9	1.7	0.3	2.0	0.7	0.2	0.2	0.2	0.3		
2864	Machine tool and part mfg	67	901	24.8	65.5	4.4	69.9	16.9	4.2	6.5	7.6	49.9		
2865	Lifting and material handling equipment mfg	31	564	17.6	64.2	12.8	77.0	38.8	3.0	5.4	5.8	35.6		
2866	Pump and compressor mfg	8	142	3.6	40.5	1.1	41.6	23.3	1.8	8.7	9.5	17.3		
2867	Commercial space heating and cooling equipment mfg	5	33	0.7	4.9	0.1	4.9	0.8	0.1	0.2	0.2	1.0		
2869	Industrial machinery and equipment mfg n.e.c.	79	1,181	32.8	90.7	5.1	95.8	30.9	9.7	14.0	13.2	54.4		
286	<i>Total</i>	261	4,003	111.5	386.3	27.6	413.9	178.7	23.6	60.0	62.4	374.9		
28	Total machinery and equipment mfg	633	27,175	818.2	4,918.9	173.8	5,092.7	3,170.3	181.1	647.1	708.0	1,802.3	244.2	
OTHER MANUFACTURING.														
2911	Prefabricated building mfg	18	130	3.0	21.1	1.8	23.0	12.1	4.0	2.1	2.0	6.7		
2919	Prefabricated building mfg n.e.c.	8	66	1.3	5.6	—	5.7	2.2	0.7	0.5	0.5	2.8		
291	<i>Total</i>	26	196	4.3	26.7	1.9	28.6	14.3	4.7	2.5	2.5	9.6		
Furniture mfg—														
2921	Wooden furniture and upholstered seat mfg	203	2,149	44.1	171.3	4.0	175.2	79.8	14.1	20.2	23.2	84.4		
2922	Sheet metal furniture mfg	5	77	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2923	Mattress mfg (except rubber)	8	184	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2929	Furniture mfg n.e.c.	24	529	12.6	49.2	0.3	49.5	21.5	4.6	5.3	5.2	23.3		
292	<i>Total</i>	240	2,939	63.0	250.8	4.4	255.2	118.7	21.0	28.3	31.1	118.3		
Miscellaneous manufacturing—														
2941	Jewellery and silverware mfg	26	131	2.8	10.4	1.0	11.4	5.7	0.7	1.8	1.5	4.8		
2942	Toy and sporting good mfg	13	125	2.0	15.5	0.1	15.6	10.1	1.1	1.8	3.5	6.1		
2949	Manufacturing n.e.c.	63	477	10.6	51.4	0.8	52.2	24.1	5.3	7.8	8.2	23.2		
294	<i>Total</i>	102	733	15.4	77.3	1.9	79.2	39.9	7.7	11.4	13.2	34.0		
29	Total other manufacturing	367	3,868	82.7	354.9	8.1	363.0	172.9	32.8	42.2	46.8	164.9	4.9	
21-29	TOTAL MANUFACTURING	2,833	83,436	2,441.0	14,281.0	574.7	14,855.7	8,116.6	1,033.5	2,063.4	2,103.3	5,745.5	583.1	

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraphs 5 to 11 of the Explanatory Notes. (c) Includes working proprietors. (d) Excludes drawings of working proprietors.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 AND 1992-93

Industry class AMZIC code	Description	Ratio of—										
		Persons employed per establishment (b) (No.)		Turnover per person employed (c)(d) (\\$'000)		Value added per person employed (e)(f) (\\$'000)		Wages and salaries per employee (g)(e) (\\$'000)		Value added to turnover		
		1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	
FOOD, BEVERAGE AND TOBACCO MFG—												
Meat and meat product mfg—												
2111	Meat processing	75	70	131.5	143.2	43.5	52.3	22.3	27.1	0.33	0.37	
2112	Poultry processing	63	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.51	0.51	
2113	Bacon, ham and smallgoods mfg	40	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
211	Total	65	67	133.7	148.8	44.6	49.7	21.8	25.8	0.34	0.35	
Dairy product mfg—												
2121	Milk and cream processing	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
	Ice cream mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2122	Dairy product mfg n.e.c.	42	42	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2129	Total	43	40	305.5	472.3	91.9	157.3	27.5	28.7	0.30	0.30	
212												
213	Fruit and vegetable processing	43	50	177.5	243.7	n.p.	130.5	23.5	25.4	0.23	0.24	
214	Oil and fat mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.58	0.59	
Flour mill and cereal food mfg—												
2151	Flour mill product mfg	n.p.	23	n.p.	322.3	n.p.	89.9	n.p.	27.0	n.p.	0.30	
2152	Cereal food and baking mix mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
215	Total	n.p.	37	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
Bakery product mfg—												
2161	Bread mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2162	Cake and pastry mfg	28	52	53.1	67.1	29.3	39.2	18.4	22.2	0.55	0.55	
2163	Biscuit mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
216	Total	37	53	67.5	89.4	34.2	52.2	22.2	26.6	0.57	0.58	
Other food mfg—												
2171	Sugar mfg	n.p.	13	14	148.5	—	n.p.	—	n.p.	n.p.	n.p.	
2172	Confectionery mfg	21	27	205.1	326.0	96.5	72.6	19.1	21.2	0.47	0.22	
2173	Seafood processing	n.p.	18	45	418.8	n.p.	80.4	n.p.	29.7	n.p.	0.28	
2174	Prepared animal and bird feed mfg	41	45	118.1	n.p.	53.1	n.p.	n.p.	22.5	0.45	0.35	
2179	Food mfg n.e.c.	27	28	194.7	238.8	84.3	69.2	20.3	23.5	0.43	0.24	
217	Total	—	—	—	—	—	—	—	—	—	—	

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 AND 1992-93 *continued*

Industry class ANZSIC code	Description	Ratio of									
		Persons employed per establishment (b)		Turnover per person employed (c)(d)		Value added per person employed (c)(d)		Wages and salaries per employee (d)(e)		Value added/ turnover	
		1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93
218	Beverage and malt mfg	46	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2181	Soft drink, cordial and syrup mfg	120	117	275.2	n.p.	111.4	n.p.	31.8	n.p.	0.40	0.29
2182	Beer and malt mfg	28	41	187.9	181.9	100.2	97.9	24.3	25.9	0.53	0.54
2183	Wine mfg	10	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.27	0.26
2184	Spirit mfg	35	48	211.6	211.9	98.8	108.2	26.5	28.5	n.p.	n.p.
218	Total							n.p.	n.p.	0.27	0.26
219	Tobacco product mfg			—							
21	Total food, beverage and tobacco mfg	40	41	163.0	187.7	65.3	78.4	23.4	26.6	0.40	0.42
TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG.											
221	Textile fibre, yarn and woven fabric mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2211	Wool scouring	n.p.	92	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2212	Synthetic fibre textile mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2213	Cotton textile mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2214	Wool textile mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2215	Textile finishing	n.p.	13	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
221	Total	156	108	158.1	n.p.	19.3	n.p.	25.4	n.p.	0.31	0.52
222	Textile product mfg	16	16	74.8	107.2	37.7	43.3	19.4	26.8	0.50	0.40
2221	Made-up textile product mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.49	0.59
2222	Textile floor covering mfg	n.p.	..	n.p.	..	n.p.	..	n.p.	n.p.	n.p.	n.p.
2223	Rope, cordage and twine mfg	n.p.	20	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	—	—
2229	Textile product mfg n.e.c.	n.p.	20	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
222	Total	16	16	74.8	109.3	36.0	42.8	18.8	26.4	0.48	0.59
223	Knitting mills			—	—	—	—	—	—	—	—
2231	Hosiery mfg	24	22	44.5	48.6	26.8	27.1	[7.1]	18.8	0.60	0.56
2232	Cardigan and pullover mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.64
2239	Knitting mill product mfg n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.64
223	Total										
224	Clothing mfg	66	55	82.9	107.4	54.2	63.5	21.5	22.5	0.65	0.59
2241	Men's and boys' wear mfg	25	28	75.2	102.9	43.3	45.7	18.8	22.0	0.57	0.44
2242	Women's and girls' wear mfg	n.p.	25	n.p.	80.8	n.p.	49.1	n.p.	22.7	n.p.	0.61
2243	Sleepwear, underwear and infant clothing mfg	n.p.	9	n.p.	89.3	n.p.	49.1	n.p.	22.5	n.p.	0.58
2249	Clothing mfg n.e.c.	n.p.	28	26	74.4	102.4	43.3	55.7	18.8	22.3	0.58
224	Total										

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989–90 AND 1992–93—continued

Industry class ANZSIC code	Description	Ratio of									
		Persons employed per establishment (b)		Turnover per person employed (c)(d)		Value added per person employed (c)(d) (\$'000)		Wages and salaries per employee (f)(e)		Value added to turnover	
		1989–90	1992–93	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93	1989–90	1992–93
225 Footwear mfg											
2261 Leather and leather product mfg—	Leather tanning and fur dressing	30	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2262 Leather and leather substitute product mfg		n.p.	3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
226 Total		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
22 Total textile, clothing, footwear and leather mfg		34	31	99.2	145.2	43.3	59.4	21.6	26.0	0.44	0.41
WOOD AND PAPER PRODUCT MFG--											
2311 Log sawmilling and timber dressing		n.p.	65	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2312 Wood chipping		n.p.	95	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2313 Timber resawing and dressing		67	109.1	147.4	147.4	60.8	47.5	24.6	28.6	0.37	0.40
231 Total		64								0.56	0.60
23 Other wood product mfg—											
2321 Plywood and veneer mfg		59	57	84.3	150.0	29.3	62.1	25.5	27.3	0.35	0.41
2322 Fabricated wood mfg		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.43	0.47
2323 Wooden structural component mfg		n.p.	10	n.p.	91.0	n.p.	39.5	n.p.	23.4	n.p.	0.59
2329 Wood product mfg n.c.c.		7	n.p.	75.3	n.p.	34.2	n.p.	19.6	n.p.	0.45	n.p.
232 Total		12	11	86.5	143.0	26.9	47.4	21.9	24.9	0.37	0.42
23 Total wood and paper product mfg		23	23	114.0	153.8	43.9	60.9	26.4	31.3	0.38	0.40
PAPER, PUBLISHING AND RECORD MEDIA--											
2411 Printing and services to printing		n.p.	11	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2412 Solid paperboard container mfg		n.p.	98	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2413 Corrugated paperboard container mfg		44	142.0	n.p.	45.1	n.p.	23.8	n.p.	0.32	n.p.	0.52
2414 Paper bag and sack mfg		50	134	n.p.	n.p.	n.p.	n.p.	n.p.	0.32	n.p.	0.52
2415 Paper product mfg n.c.c.		290	74	163.7	224.7	52.7	95.4	35.3	43.0	0.43	0.67
241 Total		92								0.32	0.45
24 Total wood and paper product mfg		23	23	114.0	153.8	43.9	60.9	26.4	31.3	0.38	0.40
PRINTING, PUBLISHING AND RECORD MEDIA--											
2411 Printing and services to printing		37	30	103.3	140.1	41.2	55.4	26.6	30.8	0.40	0.40
2412 Paper stationary mfg		12	12	87.8	107.0	44.1	51.7	23.2	28.2	0.50	0.48
2413 Printing		12	12	70.1	67.2	43.1	42.3	23.7	26.5	0.62	0.63
2414 Services to printing		16	16	91.4	114.1	42.9	52.0	24.6	28.9	0.47	0.46
24 Total										0.56	0.54

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (n): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 AND 1992-93—continued

Industry class ANZSIC code	Description		Persons employed per establishment (b) (No.)	Turnover per person employed (c)(d) (\$'000)	Value added per person employed (c)(d) (\$'000)	Wages and salaries per employee (b)(e) (\$'000)												
						1989-90		1992-93		1989-90		1992-93		1989-90		1992-93		
						1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	
<i>Publishing—</i>																		
2421	Newspaper printing or publishing	41	48	114.3	146.6	79.1	103.8	28.8	33.7	69	71	0.36	0.32	n.p.	n.p.	n.p.	n.p.	
2422	Other periodical publishing	6	6	58.7	71.7	38.2	40.8	13.5	23.8	65	57	0.31	0.53	n.p.	n.p.	n.p.	n.p.	
2423	Book and other publishing	4	n.p.	122.9	n.p.	76.4	n.p.	20.3	n.p.	62	n.p.	0.26	0.36	n.p.	n.p.	n.p.	n.p.	
242	<i>Total</i>	32	n.p.	113.5	n.p.	78.3	n.p.	28.4	n.p.	69	n.p.	0.36	0.35	n.p.	n.p.	n.p.	n.p.	
243	Recorded media manufacturing and publishing	..	n.p.	..	n.p.	..	n.p.	..	n.p.	..	n.p.	..	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
24	<i>Total printing, publishing and recorded media</i>	20	20	99.7	122.4	56.1	67.5	26.0	30.1	56	55	0.46	0.44	n.p.	n.p.	n.p.	n.p.	
<i>PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG</i>																		
251	Petroleum refining	111	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
252	<i>Petroleum and coal product mfg n.e.c.</i>	n.p.	—	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
<i>Basic chemical mfg—</i>																		
2531	Fertiliser mfg	39	27	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2532	Industrial gas mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2533	Synthetic resin mfg	17	19	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2534	Organic industrial chemical mfg n.e.c.	35	n.p.	172.3	n.p.	99.1	n.p.	25.6	n.p.	58	n.p.	0.26	n.p.	n.p.	n.p.	n.p.	n.p.	
2535	Inorganic industrial chemical mfg n.e.c.	56	39	295.3	284.0	132.4	80.3	35.1	43.7	45	0.28	0.27	0.54	0.35	n.p.	n.p.	n.p.	
253	<i>Total</i>	47	32	301.8	296.5	122.2	106.9	29.5	37.3	40	0.36	0.35	0.24	0.35	n.p.	n.p.	n.p.	
<i>Other chemical product mfg—</i>																		
2541	Explosive mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2542	Paint mfg	42	61	143.7	175.7	83.4	95.2	27.0	30.7	58	54	0.32	0.32	n.p.	n.p.	n.p.	n.p.	
2543	Medicinal and pharmaceutical product mfg	..	n.p.	..	n.p.	..	n.p.	..	n.p.	..	n.p.	..	n.p.	n.p.	n.p.	n.p.	n.p.	
2544	Pesticide mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2545	Soap and other detergent mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2546	Cosmetic and toiletry preparation mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2547	Ink mfg	n.p.	9	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2549	Chemical product mfg n.e.c.	28	31	160.9	202.3	81.3	94.4	26.3	31.1	47	51	0.32	0.32	n.p.	n.p.	n.p.	n.p.	
254	<i>Total</i>	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
<i>Rubber product mfg—</i>																		
2551	Rubber tyre mfg	n.p.	10	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2559	Rubber product mfg n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
255	<i>Total</i>	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a) : SELECTED OPERATING RATIOS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 AND 1992-93—continued

Industry class ANZSIC code	Description	Ratio of—									
		Persons employed per establishment (b)		Turnover per person employed (c)(d)		Value added per person employed (e)(f)		Wages and salaries per employee (g)(e)		Value added to turnover	
		1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93
<i>Plastic product mfg</i>											
2561	Plastic blow moulded product mfg	47	52	143.4	163.7	64.8	69.2	25.1	27.3	0.45	0.42
2562	Plastic extruded product mfg	53	32	122.9	182.2	51.7	88.8	30.7	29.1	0.42	0.49
2563	Plastic bag and film mfg	62	49	126.8	162.5	49.4	71.0	23.1	26.1	0.39	0.44
2564	Plastic product, rigid fibre reinforced, mfg	n.p.	5	n.p.	94.0	43.1	n.p.	21.5	n.p.	0.46	0.37
2565	Plastic foam product mfg	n.p.	17	n.p.	200.1	n.p.	78.2	n.p.	28.3	n.p.	0.45
2566	Plastic injection moulded product mfg	22	23	99.5	122.4	54.0	65.8	21.0	28.2	0.54	0.36
256	<i>Total</i>	30	37	115.4	145.3	53.4	70.3	24.0	27.6	0.48	0.42
25	<i>Total petroleum, coal, chemical and associated product mfg</i>	39	34	158.8	209.7	76.9	83.5	26.5	32.2	0.48	0.40
<i>NON-METALLIC MINERAL PRODUCT MFG</i>											
261	<i>Glass and glass product mfg</i>	45	n.p.	n.p.	n.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Ceramic mfg—											
2621	Clay brick mfg	33	34	254.5	165	166.0	99.0	54.6	33.6	0.65	0.60
2622	Ceramic product mfg	n.p.	9	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.32	0.34
2623	Ceramic tile and pipe mfg	n.p.	10	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2629	Ceramic product mfg n.e.c.	7	i	n.p.	41.3	26.1	n.p.	20.5	n.p.	0.63	0.62
262	<i>Total</i>	17	i	156.5	127.0	99.6	73.5	38.0	30.5	0.64	0.58
Cement, lime, plaster and concrete product mfg—											
2631	Cement and lime mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2632	Plaster product mfg	19	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2633	Concrete slurry mfg	10	41	322.9	255.2	73.5	19.5	31.6	33.4	0.23	0.08
2634	Concrete pipe and box culvert mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.42	1.71
2635	Concrete product mfg n.e.c.	31	18	112.7	n.p.	43.2	n.p.	30.5	n.p.	0.38	n.p.
263	<i>Total</i>	25	26	190.7	238.0	88.6	86.4	37.2	37.7	0.46	0.36
264	<i>Non-metallic mineral product mfg n.e.c.</i>	16	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
26	<i>Total non-metallic mineral product mfg</i>	23	23	165.9	191.5	80.0	80.6	31.3	35.4	0.48	0.42
<i>METAL PRODUCT MFG</i>											
2711	Iron and steel mfg	207	196	n.p.	243.6	n.p.	62.4	n.p.	39.9	n.p.	0.26
2712	Basic iron and steel mfg	42	41	141.2	n.p.	55.8	n.p.	27.4	n.p.	0.40	0.49
2713	Iron and steel casting and forging	87	35	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
271	<i>Total</i>	132	109	179.0	228.4	39.9	64.5	31.2	38.0	0.28	0.78

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a) SELECTED OPERATING RATIOS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 AND 1992-93 *continued*

Industry class ANZSIC code	Description	Ratio of...					
		Persons employed by establishment (b) (No.)	Turnover per person employed (c)(d) (\$'000)	Value added per person employed (c)(d) (\$'000)	Wages and salaries per employee (e)(f) (\$'000)	Value added to turnover	Wages and salaries to value added
1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93
	Basic non-ferrous metal mfg—						
2721	Alumina production	n.p.	—	—	—	—	—
2722	Aluminium smelting	306	n.p.	327.9	n.p.	n.p.	n.p.
2723	Copper, silver, lead and zinc smelting, refining	n.p.	22	n.p.	n.p.	n.p.	n.p.
2729	Basic non-ferrous metal mfg n.e.c.	n.p.	137	n.p.	327.2	n.p.	n.p.
272	<i>Total</i>			127.0	127.6	31.8	0.25
	Non-ferrous basic metal product mfg—						
2731	Aluminium rolling, drawing, extruding	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2732	Non-ferrous metal rolling, drawing, extruding n.e.c.	n.p.	36	n.p.	n.p.	n.p.	n.p.
2733	Non-ferrous metal casting	n.p.	17	n.p.	n.p.	n.p.	n.p.
273	<i>Total</i>			67.2	67.2	21.3	0.34
	Structural metal product mfg—						
2741	Structural steel fabricating	18	14	128.2	147.2	48.9	0.57
2742	Architectural aluminium product mfg	16	11	122.2	156.1	43.7	0.40
2749	Structural metal product mfg n.e.c.	15	9	123.6	148.7	41.7	0.50
274	<i>Total</i>	17	12	125.6	150.7	46.2	0.48
	Sheet metal product mfg—						
2751	Metal container mfg	19	19	112.7	n.p.	56.9	0.45
2759	Sheet metal product mfg n.e.c.	15	15	90.9	n.p.	39.5	0.55
275	<i>Total</i>	16	15	92.8	119.0	41.0	0.54
	Fabricated metal product mfg—						
2761	Hand tool and general hardware mfg	12	11	60.5	n.p.	19.5	n.p.
2762	Spring and wire product mfg	24	21	58.0	97.2	30.3	0.36
2763	Nut, bolt, screw and rivet mfg	20	17	71.5	89.2	37.8	0.53
2764	Metal coating and finishing	11	13	59.9	71.1	35.1	0.58
2765	Non-ferrous pipe fitting mfg	20	13	121.0	n.p.	72.0	0.60
2769	Fabricated metal product mfg n.e.c.	19	27	89.8	100.2	43.1	0.54
276	<i>Total</i>	17	20	77.8	91.5	40.0	0.52
27	<i>Total metal product mfg</i>	28	25	150.6	194.9	56.5	0.52

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 AND 1992-93—*continued*

Industry class ANZSIC code	Description							Ratio of:-					
		Persons employed per establishment (b) (No.)		Turnover per person employed (c)(d) (\\$'000)		Value added per person employed (e)(f) (\\$'000)		Wages and salaries per employee (g)(h) (\\$'000)		Value added to turnover		Wages and salaries to value added	
		1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93	1989-90	1992-93
MACHINERY AND EQUIPMENT MFG.—													
2811	Motor vehicle and part mfg—	1,857	1,605	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2812	Motor vehicle mfg	48	20	85.1	98.5	33.3	42.7	22.6	26.1	0.39	0.43	0.67	0.60
2813	Motor vehicle body mfg	n.p.	45	n.p.	90.8	n.p.	45.9	n.p.	22.3	n.p.	0.50	n.p.	0.48
2819	Automotive electrical and instrument mfg	n.p.	49	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
287	Automotive component mfg n.e.c.	127	108	188.4	240.2	102.5	69.7	27.7	31.4	0.54	0.39	0.26	0.45
Other transport equipment mfg—													
2821	Shipbuilding	103	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2822	Boatbuilding	6	5	62.0	74.0	26.1	39.5	16.2	17.4	0.42	0.53	0.57	0.40
2823	Railway equipment mfg	n.p.	n.p.	n.p.	n.p.	—	n.p.	—	n.p.	—	n.p.	—	n.p.
2824	Aircraft mfg	6	8	95.0	135.6	44.6	70.2	29.1	31.9	0.47	0.52	0.65	0.45
2829	Transport equipment mfg n.e.c.	12	11	n.p.	119.1	n.p.	60.6	n.p.	20.6	n.p.	0.51	n.p.	0.33
282	Total	16	29	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Photographic and scientific equipment mfg—													
2831	Photographic and optical good mfg	55	n.p.	58.1	n.p.	35.4	n.p.	21.7	n.p.	0.66	n.p.	.56	n.p.
2832	Medical and surgical equipment mfg	7	7	n.p.	76.8	n.p.	45.5	n.p.	28.0	n.p.	0.59	0.58	0.58
2839	Professional and scientific equipment mfg n.e.c.	122	n.p.	82.7	n.p.	55.2	n.p.	25.5	n.p.	0.67	n.p.	0.46	n.p.
283	Total	27	35	n.p.	87.9	n.p.	57.2	n.p.	33.5	n.p.	0.58	n.p.	0.65
Electronic equipment mfg—													
2841	Computer and business machine mfg	n.p.	12	n.p.	192.5	n.p.	76.3	n.p.	37.2	n.p.	0.40	n.p.	0.49
2842	Telecommunication, broadcasting and transceiving equipment mfg	n.p.	69	n.p.	115.0	n.p.	69.3	n.p.	30.4	n.p.	0.60	n.p.	0.44
2849	Electronic equipment mfg n.e.c.	17	9	111.4	n.p.	73.3	n.p.	29.9	n.p.	0.66	n.p.	0.40	n.p.
284	Total	25	18	99.9	n.p.	60.0	n.p.	31.0	n.p.	0.67	n.p.	0.51	n.p.
Electrical equipment and appliance mfg—													
2851	Household appliance mfg	118	95	158.1	167.8	82.0	76.4	23.2	28.3	0.52	0.46	0.28	0.37
2852	Electric cable and wire mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2853	Battery mfg	n.p.	16	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2854	Electric light and sign mfg	11	16	n.p.	132.0	n.p.	51.3	n.p.	32.5	n.p.	0.39	n.p.	0.63
2859	Electrical equipment mfg n.e.c.	59	66	98.1	116.8	52.3	56.6	23.9	24.1	0.53	0.48	0.46	0.43
285	Total	69	69	125.9	140.2	63.0	64.3	23.6	26.5	0.50	0.46	0.37	0.41

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 AND 1992-93 continued

ANZSIC code	Description		Persons employed per establishment (b) (Av.)	Turnover per person employed (c)(d) (\$'000)	Value added per person employed (c)(d) (\$'000)	Wages and salaries per employee (d)(e) (\$'000)		Wages and salaries per employee (d)(e) (\$'000)		Ratio of— value added to turnover	
						1989-90		1989-90		1989-90	
						1989-90	1992-93	1989-90	1992-93	1989-90	1992-93
Industrial machinery and equipment mfg—											
2861	Agricultural machinery mfg		22	13	95.0	97.1	46.5	47.5	23.6	24.2	0.49
2862	Mining and construction machinery mfg	n.p.	29	n.p.	101.8	n.p.	38.6	n.p.	26.7	n.p.	0.68
2863	Food processing machinery mfg	12	5	58.0	70.9	28.5	39.3	23.0	23.0	0.49	0.55
2864	Machine tool and part mfg	16	13	85.7	77.3	50.6	55.2	25.0	28.3	0.59	0.49
2865	Lifting and material handling equipment mfg	38	18	101.0	133.2	51.1	61.7	26.8	30.4	0.51	0.46
2866	Pump and compressor mfg	n.p.	18	n.p.	293.0	n.p.	121.6	n.p.	25.6	n.p.	0.52
2867	Commercial space heating and cooling equipment mfg	8	7	76.3	59.9	44.5	32.6	19.7	20.6	0.58	0.54
2869	Industrial machinery and equipment mfg n.e.c.	11	15	69.3	77.4	41.4	44.0	23.2	26.6	0.60	0.57
286	<i>Total</i>		19	15	92.0	98.8	48.3	51.1	24.8	27.0	0.52
28	Total machinery and equipment mfg		47	43	179.8	188.0	95.0	66.5	25.8	30.4	0.53
OTHER MANUFACTURING:											
291	Prefabricated building mfg—	n.p.	7	n.p.	175.2	n.p.	51.4	n.p.	27.8	n.p.	0.44
2919	Prefabricated metal building mfg	n.p.	8	n.p.	78.7	n.p.	39.5	n.p.	20.4	n.p.	0.47
294	<i>Total</i>		17	8	153.5	141.0	59.5	47.2	22.2	25.0	0.39
Furniture mfg—											
2921	Wooden furniture and upholstered seat mfg	n.p.	10	11	67.5	85.5	29.3	41.2	18.4	24.1	0.43
2922	Sheet metal furniture mfg	n.p.	15	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2923	Mattress mfg (except rubber)	n.p.	23	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2929	Furniture mfg n.e.c.	23	22	83.2	91.3	39.2	42.9	21.9	23.8	0.47	0.56
292	<i>Total</i>		12	12	71.8	89.5	31.3	41.5	19.2	24.1	0.46
Miscellaneous manufacturing—											
2941	Jewellery and silverware mfg	6	5	84.2	84.7	38.4	35.4	19.0	24.5	0.46	0.42
2942	Toy and sporting good mfg (f)	10	10	143.0	143.0	55.8	55.8	22.7	18.9	0.46	0.39
2949	Manufacturing n.e.c. (f)	8	8	110.6	110.6	38.3	49.1	22.7	26.7	0.44	0.44
294	<i>Total</i>		9	7	84.2	110.6	38.3	47.5	22.7	24.9	0.46
29	Total other manufacturing		11	11	82.8	96.3	35.7	42.9	20.1	24.3	0.43
21-29	TOTAL MANUFACTURING		31	29	150.4	176.6	68.9	68.3	25.2	29.6	0.46
											0.39
											0.36
											0.42

(a) See paragraph 8 of the Explanatory Notes. (b) Number of persons employed at the end of June (including working proprietors) divided by the number of establishments in operation at 30 June. (c) Based on average employment over the whole year. Excludes working proprietors and their drawings. (f) Data for 1989-90 for ANZSIC classes 2942 and 2949 have been combined.

TABLE 4. MANUFACTURING ESTABLISHMENTS (a): PERCENTAGE CHANGE IN GROSS PRODUCT AT FACTOR COST (AVERAGE 1989-90 PRICES) (b)
BY INDUSTRY SUBDIVISION, SOUTH AUSTRALIA, 1989-90 TO 1992-93
(%)

ANZSIC code	Description	1989-90 to 1992-93		
		Industry subdivision		Change in gross product per person employed (c)
		1989-90 to 1990-91	1991-92 to 1992-93	
21	Food, beverage and tobacco mfg	1.8	-5.6	2.4
22	Textile, clothing, footwear and leather mfg	12.3	1.6	-4.8
23	Wood and paper product mfg	7.9	7.3	6.5
24	Printing, publishing and recorded media	7.0	2.0	0.5
25	Petroleum, coal, chemical and associated product mfg	13.8	7.7	0.3
26	Non-metallic mineral product mfg	16.0	-8.2	5.7
27	Metal product mfg	2.7	8.5	1.9
28	Machinery and equipment mfg	-3.6	-5.8	-10.0
29	Other manufacturing	10.3	-20.1	-2.4
21-29	Total manufacturing	-0.3	-3.6	-3.5
				-7.2
				9.0

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraphs 17 to 19 of the Explanatory Notes. (c) Based on average employment over the whole year. Includes working proprietors.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, SOUTH AUSTRALIA, 1992-93

Employment size group	(No.)	(%)	Establishments at 30 June (b)			Wages and salaries (d)(e)			Turnover (c)			Value added (e)			Net capital expenditure (e)			Value added (f) to turnover			Value added per person employed (f)(g)(h)			Ratio of (e)			
			Employment at end of June (c)			(\$m) (%)			(\$m) (%)			(\$m) (%)			(\$m) (%)			(\$m) (%)			(\$m) (%)			Wages and salaries to value added			
			(No.)	(%)	(%)	(No.)	(%)	(%)	(No.)	(%)	(%)	(No.)	(%)	(%)	(No.)	(%)	(%)	(No.)	(%)	(%)	(No.)	(%)	(%)	(No.)	(%)	(%)	
FOOD, BEVERAGE AND TOBACCO MFG																											
0 - 3 persons	72	19.3	155	1.0	2.7	0.7	38.0	1.3	11.0	0.9	-0.9	0.9	66.8	—	—	—	—	—	—	—	—	—	—	—	—	—	0.25
4 - 9 persons	98	26.3	526	3.5	0.3	2.6	71.6	2.5	27.1	2.3	4.8	4.7	51.2	—	—	—	—	—	—	—	—	—	—	—	—	—	0.38
10 - 19 persons	78	20.9	1,120	7.4	22.4	5.7	215.5	7.5	75.9	6.3	9.9	9.8	67.9	—	—	—	—	—	—	—	—	—	—	—	—	—	0.30
20 - 49 persons	72	19.3	2,317	15.3	53.7	13.5	424.6	14.8	139.2	11.6	8.6	8.5	60.0	—	—	—	—	—	—	—	—	—	—	—	—	—	0.39
50 - 99 persons	20	5.4	1,346	8.9	35.6	9.0	357.5	12.5	123.2	10.2	11.5	11.4	89.5	—	—	—	—	—	—	—	—	—	—	—	—	—	0.29
Total less than 100 persons	340	91.2	5,465	36.1	124.8	31.4	1,072	38.6	376.4	37.3	33.9	33.6	68.3	—	—	—	—	—	—	—	—	—	—	—	—	—	0.34
100 - 199 persons	15	4.0	2,025	13.4	51.0	12.9	465.4	16.2	188.0	15.6	11.3	11.2	87.9	—	—	—	—	—	—	—	—	—	—	—	—	—	0.27
200 - 499 persons	11	2.9	3,871	25.5	104.2	28.8	651.6	22.7	319.3	26.5	22.3	22.1	81.4	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36
500 - 999 persons	7	1.9	3,796	25.0	106.8	26.9	641.8	22.4	320.4	26.6	33.5	33.1	86.2	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33
1000 or more persons	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total 100 or more persons	33	8.8	9,692	63.9	272.0	68.6	1,758.8	61.4	827.6	68.7	67.7	66.4	84.7	—	—	—	—	—	—	—	—	—	—	—	—	—	0.33
Total	373	100.0	15,157	100.0	396.8	100.0	2,866.0	100.0	1,204.0	100.0	101.0	100.0	78.8	—	—	—	—	—	—	—	—	—	—	—	—	0.42	
TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG																											
0 - 3 persons	52	28.9	113	2.0	1.5	1.1	7.8	1.0	3.9	1.2	0.9	11.8	31.6	—	—	—	—	—	—	—	—	—	—	—	—	0.39	
4 - 9 persons	47	26.1	263	4.7	5.4	3.8	30.1	3.8	9.2	2.8	-1.7	24.1	26.9	—	—	—	—	—	—	—	—	—	—	—	—	0.59	
10 - 19 persons	41	22.8	508	9.2	10.1	7.2	41.6	5.2	18.5	5.6	0.9	12.6	37.9	—	—	—	—	—	—	—	—	—	—	—	—	0.55	
20 - 49 persons	20	11.1	668	2.0	12.3	8.7	50.6	6.3	24.4	7.4	0.9	12.5	39.6	—	—	—	—	—	—	—	—	—	—	—	—	0.50	
50 - 99 persons	6	3.3	496	8.9	11.6	8.2	48.8	6.1	21.9	6.6	0.5	7.4	44.1	—	—	—	—	—	—	—	—	—	—	—	—	0.53	
Total less than 100 persons	165	91.7	2,048	36.9	41.0	29.1	178.9	22.3	77.8	23.6	1.5	20.3	37.7	—	—	—	—	—	—	—	—	—	—	—	—	0.53	
100 - 199 persons	8	4.4	1,189	21.4	30.0	21.3	171.0	21.3	78.5	23.8	2.0	27.9	63.5	—	—	—	—	—	—	—	—	—	—	—	—	0.38	
200 - 499 persons	7	3.9	2,310	41.6	69.9	49.6	452.4	56.4	173.8	52.7	3.7	51.8	78.1	—	—	—	—	—	—	—	—	—	—	—	—	0.40	
500 - 999 persons	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1000 or more persons	15	8.3	3,499	63.1	99.9	70.9	623.4	77.7	252.3	76.4	5.8	79.7	72.9	—	—	—	—	—	—	—	—	—	—	—	—	0.40	
Total	180	100.0	5,547	100.0	140.9	100.0	802.3	100.0	330.1	100.0	7.2	100.0	59.7	—	—	—	—	—	—	—	—	—	—	—	0.43		

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION

Employment size group	Establishments at 30 June (b)			Employment at end of June (c)			Wages and salaries (d)(e)			Turnover (e)			Value added (e)			Net capital expenditure (e)			Value added per person employed (f)(g)(h)			Wages and salaries (i) value added to turnover		
	(No.)	(%)	(No.)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	
WOOD AND PAPER PRODUCT MFG																								
0 - 3 persons	112	48.7	270	5.1	5.7	3.5	28.5	3.4	12.1	3.7	0.2	0.7	40.4	0.42	0.47									
4 - 9 persons	50	21.7	290	5.5	5.6	3.4	21.4	2.6	10.6	3.2	0.5	1.5	36.0	0.50	0.53									
10 - 19 persons	26	11.3	388	7.3	8.8	5.3	37.5	4.5	18.9	5.7	1.6	4.9	49.1	0.50	0.47									
20 - 49 persons	23	10.0	634	11.9	16.0	9.7	93.4	11.2	32.2	9.7	1.3	3.9	51.0	0.35	0.50									
50 - 99 persons	8	3.5	575	10.8	18.2	11.1	69.5	8.3	26.2	7.9	5.3	15.9	41.3	0.38	0.69									
Total less than 100 persons	219	95.2	2,158	40.7	54.4	33.0	250.3	30.0	100.1	30.2	9.0	27.0	44.5	0.40	0.54									
100 - 199 persons	4	1.7	600	11.3	18.6	11.3	73.5	8.8	31.5	9.5	1.5	4.5	51.2	0.43	0.59									
200 - 499 persons	2.6	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
500 - 999 persons	0.4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
1000 or more persons	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total 100 or more persons	211	4.8	3,148	59.3	110.4	67.0	585.1	70.0	237.0	69.8	24.3	73.0	72.5	0.39	0.48									
Total	230	100.0	5,306	100.0	164.9	100.0	835.4	100.0	331.1	100.0	33.3	100.0	60.9	0.40	0.50									
PRINTING, PUBLISHING AND RECORDED MEDIA																								
0 - 3 persons	61	23.1	123	2.4	1.7	1.1	8.2	1.3	4.3	1.2	0.1	0.2	32.0	0.52	0.40									
4 - 9 persons	91	34.5	609	11.7	11.8	7.8	45.9	7.3	26.6	7.7	1.3	5.9	45.6	0.58	0.44									
10 - 19 persons	61	23.1	812	15.6	19.6	13.0	63.6	10.1	33.7	9.7	1.0	4.2	42.9	0.53	0.58									
20 - 49 persons	34	12.9	1,092	21.0	27.9	18.6	111.3	17.7	56.9	16.4	13.8	60.5	54.1	0.51	0.49									
50 - 99 persons	7	2.7	451	8.7	12.9	8.6	66.1	10.5	25.3	7.3	0.4	1.6	55.7	0.38	0.51									
Total less than 100 persons	255	96.6	3,087	59.4	73.8	49.2	295.1	47.0	146.7	42.3	16.5	72.5	48.8	0.50	0.59									
100 - 199 persons	7	2.7	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
200 - 499 persons	1	0.4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
500 - 999 persons	1	0.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000 or more persons	9	3.4	2,114	40.6	76.1	50.8	333.0	53.0	199.9	57.7	6.3	27.5	95.2	0.60	0.38									
Total	264	100.0	5,201	100.0	149.9	100.0	628.1	100.0	346.6	100.0	22.8	100.0	67.9	0.55	0.43									

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION
SOUTH AUSTRALIA 1992-93 -continued

Employment size group	(No.)	Establishments at 30 June (b)	Employment at end of June (c)	Wages and salaries (d) (e)				Turnover (e)	Value added (e)	Net capital expenditure (e)	Value added per person employed (e)(f)	Wages and salaries to value added ratio (g)					
				(No.) (%)		(\$m) (%)											
				Petroleum, coal, chemical and associated product MFG		Non-metallic mineral product MFG											
0 - 3 persons	48	24.4	124	1.8	2.3	1.1	10.6	0.8	4.3	0.5	0.7	38.6					
4 - 9 persons	54	27.4	320	4.8	8.0	3.8	75.4	5.4	23.2	4.2	1.2	72.3					
10 - 19 persons	33	16.8	427	6.4	10.0	4.7	83.0	5.9	33.0	5.9	1.5	79.9					
20 - 49 persons	36	18.3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					
50 - 99 persons	9	4.6	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					
Total less than 100 persons	180	91.4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					
100 - 199 persons	6	3.0	862	12.9	28.8	13.5	333.8	23.9	123.1	22.1	20.6	27.3					
200 - 499 persons	10	5.1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					
500 - 999 persons	1	0.5	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					
1000 or more persons												...					
Total 100 or more persons	17	8.6	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					
Total	197	100.0		6,708	100.0		213.0	100.0	1,396.3	100.0	556.0	100.0					
0 - 3 persons	36	31.0	70	2.6	1.3	1.5	5.6	1.1	2.7	1.2	1.1	9.6					
4 - 9 persons	24	20.7	141	5.3	2.7	3.0	9.7	1.9	5.1	2.3	—	-0.1					
10 - 19 persons	22	19.0	277	10.4	7.9	8.8	44.2	8.6	15.3	7.0	0.7	6.0					
20 - 49 persons	17	14.7	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					
50 - 99 persons	10	8.6	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					
Total less than 100 persons	110	94.8	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					
100 - 199 persons	4	3.4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					
200 - 499 persons	2	1.7	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					
500 - 999 persons												...					
Total 100 or more persons	6	5.2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.					
Total	116	100.0		2,655	100.0		90.5	100.0	515.2	100.0	217.6	100.0					

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION
SOUTH AUSTRALIA, 1992-93 *continued*

Employment size group	Establishments at 30 June (b)		Employment at end of June (c)		Wages and salaries (d)(e)		Turnover (e)		Value added (e)		Net capital expenditure (e)		Value added per person employed (f)(e)(f)		Ratio of (e) to turnover value added	
	(No.)	(%)	(No.)	(%)	(\\$m)	(%)	(\\$m)	(%)	(\\$m)	(%)	(\\$m)	(%)	(\\$m)	(%)	(\\$m)	(%)
	METAL PRODUCT MFG															
0 - 3 persons	118	25.0	255	22	5.9	1.6	36.5	1.6	11.8	1.5	0.7	0.8	41.8	0.32	0.50	
4 - 9 persons	172	36.4	1,048	8.9	21.1	5.6	89.6	3.9	40.2	5.0	1.4	1.7	39.8	0.45	0.52	
10 - 19 persons	78	16.5	1,083	9.2	23.0	6.2	98.5	4.2	50.7	6.4	4.5	5.3	48.1	0.51	0.45	
20 - 49 persons	65	13.8	1,867	15.8	44.0	11.8	224.9	9.7	100.4	12.6	2.3	2.7	56.3	0.45	0.44	
50 - 99 persons	21	4.4	1,476	12.5	44.2	11.8	359.6	15.5	107.5	13.5	6.6	7.7	73.2	0.30	0.41	
Total less than 100 persons	453	96.0	5,729	48.5	138.2	37.0	809.0	34.8	310.6	38.9	15.5	18.2	55.5	0.38	0.45	
100 - 199 persons	14	3.0	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
200 - 499 persons	2	0.4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
500 - 999 persons	2	0.4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
1000 or more persons	1	0.2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total 100 or more persons	19	4.0	6,099	51.5	315.4	63.0	1,517.1	65.2	487.2	61.1	69.6	87.8	76.5	0.32	0.48	
Total	472	100.0	11,819	100.0	373.6	100.0	2,326.1	100.0	797.8	100.0	85.1	100.0	66.7	0.34	0.47	
MACHINERY AND EQUIPMENT MFG																
0 - 3 persons	186	29.4	401	1.5	8.0	1.0	36.9	0.7	18.0	1.0	0.3	0.1	44.1	0.49	0.45	
4 - 9 persons	196	31.0	1,157	4.3	24.4	3.0	91.8	1.8	49.6	2.7	2.9	0.8	43.1	1.54	0.49	
10 - 19 persons	108	17.1	1,504	5.5	38.3	4.7	149.5	3.0	79.5	4.4	2.0	0.8	53.8	1.53	0.48	
20 - 49 persons	80	12.6	2,382	8.8	61.6	7.6	230.4	4.5	126.9	7.0	7.7	3.1	56.3	1.55	0.49	
50 - 99 persons	27	4.3	1,855	6.8	53.3	6.6	265.1	5.2	131.3	7.3	8.5	3.4	69.5	1.50	0.41	
Total less than 100 persons	597	94.3	7,298	26.9	185.7	22.9	773.7	15.3	405.3	22.4	20.5	8.3	56.5	0.52	0.46	
100 - 199 persons	15	2.4	1,902	7.0	53.1	6.5	231.4	4.6	111.4	6.2	4.2	1.7	55.3	0.48	0.48	
200 - 499 persons	13	2.1	4,517	16.6	149.7	18.4	596.3	11.8	281.2	15.6	20.0	8.1	62.4	0.47	0.53	
500 - 999 persons	4	0.6	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
1000 or more persons	4	0.6	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
Total 100 or more persons	36	5.7	19,877	73.7	626.5	77.7	4,289.3	84.7	1,413.0	77.6	227.1	91.7	71.2	0.33	0.45	
Total	633	100.0	27,175	100.0	812.2	100.0	5,063.0	100.0	1,808.3	100.0	247.6	100.0	67.2	0.36	0.45	

For footnotes see end of table.

SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION

SOUTH AUSTRALIA, 1992-93 *continued*

TABLE 5. MANUFACTURING ESTABLISHMENTS (a) SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION
SOUTH AUSTRALIA, 1992-93—continued

Employment size group	(No.)	Establishments at 30 June (b)	Employment at end of June (c)		Wages and salaries (d)(e)		Turnover (e)		Value added (e)		Net capital expenditure (e)		Value added per person employed (e)(f)(g)		Ratio of (e) to value added to turnover		
			(No.)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	(%)	(\\$'000)				
			OTHER MANUFACTURING														
0 – 3 persons	143	39.0	291	7.5	4.4	5.4	22.4	6.2	10.0	6.2	—	—	—	—	—	0.44	0.44
4 – 9 persons	108	29.4	627	16.2	11.1	13.4	45.4	12.5	22.3	13.8	0.5	9.5	35.8	0.49	0.50	0.50	
10 – 19 persons	70	19.1	869	22.5	18.6	22.5	88.1	24.3	35.7	22.1	0.6	12.7	43.3	0.41	0.52	0.52	
20 – 49 persons	36	9.8	1,088	28.1	24.9	30.2	104.6	28.8	47.5	29.3	2.2	43.7	45.1	0.45	0.52	0.52	
50 – 99 persons	7	1.9	499	12.9	11.9	14.4	61.4	16.9	28.0	17.3	0.8	6.9	55.3	0.46	0.42	0.42	
Total less than 100 persons	363	98.9	3,374	87.2	70.9	85.9	327.9	88.7	143.5	88.6	4.1	82.6	43.4	0.45	0.49	0.49	
100 – 199 persons	4	1.1	494	12.8	11.6	14.1	41.0	11.3	18.5	11.4	0.9	7.4	39.9	0.45	0.63	0.63	
200 – 499 persons	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
500 – 999 persons	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000 or more persons	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total 100 or more persons	4	1.1	494	12.8	11.6	14.1	41.0	11.3	18.5	11.4	0.9	7.4	39.9	0.45	0.63	0.63	
Total	367	100.0	3,868	100.0	82.5	100.0	362.9	100.0	162.0	100.0	4.9	100.0	43.0	0.45	0.51		
TOTAL MANUFACTURING																	
0 – 3 persons	828	29.2	1,803	2.2	33.7	1.4	194.5	1.3	77.9	1.4	2.8	0.5	41.1	0.40	0.43	0.43	
4 – 9 persons	842	29.7	4,979	6.0	100.4	4.1	480.9	3.3	213.8	3.7	10.0	1.7	42.9	0.44	0.47	0.47	
10 – 19 persons	517	18.2	6,990	8.4	158.8	6.6	821.6	5.6	361.2	6.3	22.7	3.9	53.0	0.44	0.44	0.44	
20 – 49 persons	382	13.5	11,626	13.9	290.4	12.0	1,553.6	10.5	648.5	11.3	39.0	6.6	57.5	0.42	0.45	0.45	
50 – 99 persons	114	4.0	8,016	9.6	227.1	9.4	1,437.0	9.7	546.0	9.5	38.7	6.6	67.1	0.38	0.42	0.42	
Total less than 100 persons	2,683	94.7	33,474	40.0	810.3	33.4	4,487.5	30.3	1,847.5	32.7	113.3	19.2	55.8	0.47	0.44	0.44	
100 – 199 persons	77	2.7	10,302	12.3	294.0	12.1	2,081.7	14.1	782.7	13.6	66.9	1.4	74.4	0.38	0.38	0.38	
200 – 499 persons	52	1.8	16,225	19.4	523.9	21.6	2,759.9	18.7	1,201.4	20.9	105.3	7.9	74.1	0.44	0.44	0.44	
500 – 999 persons	16	0.6	10,397	12.5	353.0	14.6	1,801.2	12.2	920.2	16.0	78.9	3.4	87.7	0.51	0.38	0.38	
1000 or more persons	5	0.2	13,100	15.7	443.1	18.3	3,665.0	24.8	1,001.8	17.4	224.1	38.1	77.3	0.27	0.44	0.44	
Total 100 or more persons	150	5.3	50,023	60.0	1,614.0	66.6	16,307.9	69.7	3,946.7	67.9	475.2	80.8	77.8	0.38	0.41	0.41	
Total	2,833	100.0	83,436	100.0	2,424.3	100.0	14,795.3	100.0	5,753.5	100.0	588.4	100.0	69.1	0.39	0.42		

(a) See paragraphs 5 to 11 of the Explanatory Notes. (b) Includes working proprietors. (c) Excludes working proprietors. (d) Excludes working proprietors. (e) Excludes working proprietors. (f) See paragraph 26 of the Explanatory Notes. (g) See paragraph 26 of the Explanatory Notes. (h) See paragraph 26 of the Explanatory Notes. (i) Based on average employment over the whole year.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1992-93

Industry class	ANZSIC code	Description	Current expenditure on environmental protection		Capital expenditure to abate pollution	
			(\$'000)	Proportion of total turnover (%)	(\$'000)	Proportion of total capital expenditure (%)
FOOD, BEVERAGE AND TOBACCO MFG-						
Meat and meat product mfg—						
2111 Meat processing	2111	173			n.p.	n.p.
2112 Poultry processing	2112	n.p.	n.p.	n.p.	n.p.	n.p.
2113 Bacon, ham and smallgood mfg	2113	n.p.	n.p.	—	—	—
211 Total	211	269	—	—	n.p.	n.p.
Dairy product mfg—						
2121 Milk and cream processing	2121	n.p.	n.p.	—	—	—
2122 Ice cream mfg	2122	n.p.	n.p.	—	—	—
2129 Dairy product mfg n.e.c.	2129	350	n.p.	n.p.	n.p.	n.p.
212 Total	212	427	0.1	n.p.	n.p.	n.p.
213 Fruit and vegetable processing	213	364	0.2	n.p.	n.p.	n.p.
214 Oil and fat mfg	214	n.p.	n.p.	—	—	—
Flour mill and cereal food mfg—						
2151 Flour mill product mfg	2151	48	0.1	—	—	—
2152 Cereal food and baking mix mfg	2152	n.p.	n.p.	—	—	—
215 Total	215	n.p.	n.p.	—	—	—
Bakery product mfg						
2161 Bread mfg	2161	n.p.	n.p.	—	—	—
2162 Cake and pastry mfg	2162	44	—	—	—	—
2163 Biscuit mfg	2163	n.p.	n.p.	—	—	—
216 Total	216	301	0.1	—	—	—
Other food mfg—						
2171 Sugar mfg	2171	—	—	—	—	—
2172 Confectionery mfg	2172	12	n.p.	—	—	—
2173 Seafood processing	2173	61	—	—	—	—
2174 Prepared animal and bird feed mfg	2174	37	—	n.p.	n.p.	n.p.
2179 Food mfg n.e.c.	2179	376	n.p.	—	—	—
217 Total	217	486	0.1	n.p.	n.p.	n.p.
Beverage and malt mfg—						
2181 Soft drink, cordial and syrup mfg	2181	n.p.	n.p.	n.p.	n.p.	n.p.
2182 Beer and malt mfg	2182	428	n.p.	n.p.	n.p.	n.p.
2183 Wine mfg	2183	416	0.1	325	1.3	—
2184 Spirit mfg	2184	n.p.	n.p.	—	—	—
218 Total	218	1,111	0.1	907	2.2	—
219 Tobacco product mfg	219	—	—	—	—	—
21 Total food, beverage and tobacco mfg	21	3,030	0.1	3,117	2.7	—

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1992-93—continued

Industry class	ANZSIC code	Description	Current expenditure on environmental protection		Capital expenditure to abate pollution	
			(\$'000)	Proportion of total turnover (%)	(\$'000)	Proportion of total capital expenditure (%)
TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG.—						
		Textile fibre, yarn and woven fabric mfg—				
2211		Wool scouring	n.p.	n.p.	—	—
2212		Synthetic fibre textile mfg	n.p.	n.p.	n.p.	n.p.
2213		Cotton textile mfg	n.p.	n.p.	n.p.	n.p.
2214		Wool textile mfg	n.p.	n.p.	—	—
2215		Textile finishing	n.p.	n.p.	—	—
221		<i>Total</i>	951	n.p.	n.p.	n.p.
		Textile product mfg—				
2221		Made-up textile product mfg	44	0.1	n.p.	n.p.
2222		Textile floor covering mfg	n.p.	n.p.	—	—
2223		Rope, cordage and twine mfg	—	—	—	—
2229		Textile product mfg n.e.c.	n.p.	n.p.	—	—
222		<i>Total</i>	62	0.1	n.p.	n.p.
		Knitting mills—				
2231		Hosiery mfg	—	—	—	—
2232		Cardigan and pullover mfg	—	—	—	—
2239		Knitting mill product mfg n.e.c.	n.p.	n.p.	—	—
223		<i>Total</i>	n.p.	n.p.	—	—
		Clothing mfg—				
2241		Men's and boys' wear mfg	n.p.	n.p.	—	—
2242		Women's and girls' wear mfg	45	0.1	—	—
2243		Sleepwear, underwear and infant clothing mfg	—	—	—	—
2249		Clothing mfg n.e.c.	n.p.	n.p.	n.p.	n.p.
224		<i>Total</i>	172	0.1	n.p.	n.p.
225		<i>Footwear mfg</i>	n.p.	n.p.	—	—
		Leather and leather product mfg—				
2261		Leather tanning and fur dressing	n.p.	n.p.	n.p.	n.p.
2262		Leather and leather substitute product mfg	—	—	—	—
226		<i>Total</i>	n.p.	n.p.	n.p.	n.p.
22		<i>Total textile, clothing, footwear and leather mfg</i>	1,520	0.2	885	8.2
WOOD AND PAPER PRODUCT MFG.—						
		Log sawmilling and timber dressing—				
2311		Log sawmilling	n.p.	n.p.	n.p.	n.p.
2312		Wood chipping	—	—	—	—
2313		Timber resawing and dressing	n.p.	n.p.	n.p.	n.p.
231		<i>Total</i>	410	0.2	n.p.	n.p.
		Other wood product mfg—				
2321		Plywood and veneer mfg	n.p.	n.p.	—	—
2322		Fabricated wood mfg	n.p.	n.p.	n.p.	n.p.
2323		Wooden structural component mfg	188	0.2	n.p.	n.p.
2329		Wood product mfg n.e.c.	n.p.	n.p.	—	—
232		<i>Total</i>	472	0.2	393	5.7
		Paper and paper product mfg—				
2331		Pulp, paper and paperboard mfg	n.p.	n.p.	n.p.	n.p.
2332		Solid paperboard container mfg	—	—	—	—
2333		Corrugated paperboard container mfg	n.p.	n.p.	n.p.	n.p.
2334		Paper bag and sack mfg	n.p.	n.p.	—	—
2339		Paper product mfg n.e.c.	n.p.	n.p.	n.p.	n.p.
233		<i>Total</i>	1,036	0.3	n.p.	n.p.
23		<i>Total wood and paper product mfg</i>	1,918	0.2	9,272	25.4

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1992-93—continued

Industry class	ANZSIC code	Description	Current expenditure on environmental protection		Capital expenditure to abate pollution			
			(\$'000)	Proportion of total turnover (%)	(\$'000)	Proportion of total capital expenditure (%)		
PRINTING, PUBLISHING AND RECORDED MEDIA—								
Printing and services to printing—								
2411	Paper stationery mfg	135	0.1	—	—	—		
2412	Printing	184	0.1	n.p.	n.p.	—		
2413	Services to printing	n.p.	n.p.	—	—	—		
241	Total	n.p.	n.p.	n.p.	n.p.	n.p.		
Publishing—								
2421	Newspaper printing or publishing	n.p.	n.p.	—	—	—		
2422	Other periodical publishing	—	—	—	—	—		
2423	Book and other publishing	n.p.	n.p.	—	—	—		
242	Total	n.p.	n.p.	—	—	—		
243	Recorded media manufacturing and publishing	—	—	—	—	—		
24	Total printing, publishing and recorded media	420	0.1	n.p.	n.p.	n.p.		
PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG—								
251	Petroleum refining	n.p.	n.p.	n.p.	n.p.	n.p.		
252	Petroleum and coal product mfg n.e.c.	—	—	—	—	—		
Basic chemical mfg—								
2531	Fertiliser mfg	1,063	n.p.	—	—	—		
2532	Industrial gas mfg	n.p.	n.p.	n.p.	n.p.	n.p.		
2533	Synthetic resin mfg	n.p.	n.p.	—	—	—		
2534	Organic industrial chemical mfg n.e.c.	n.p.	n.p.	—	—	—		
2535	Inorganic industrial chemical mfg n.e.c.	2,608	1.8	n.p.	n.p.	n.p.		
253	Total	3,980	1.1	846	—	10.3		
Other chemical product mfg—								
2541	Explosive mfg	n.p.	n.p.	—	—	—		
2542	Paint mfg	n.p.	n.p.	n.p.	n.p.	n.p.		
2543	Medicinal and pharmaceutical product mfg	—	—	—	—	—		
2544	Pesticide mfg	n.p.	n.p.	—	—	—		
2545	Soap and other detergent mfg	n.p.	n.p.	n.p.	n.p.	n.p.		
2546	Cosmetic and toiletry preparation mfg	n.p.	n.p.	—	—	—		
2547	Ink mfg	n.p.	n.p.	—	—	—		
2549	Chemical product mfg n.e.c.	n.p.	n.p.	—	—	—		
254	Total	262	0.1	n.p.	n.p.	n.p.		
Rubber product mfg—								
2551	Rubber tyre mfg	n.p.	n.p.	n.p.	n.p.	n.p.		
2559	Rubber product mfg n.e.c.	11	0.1	—	—	—		
255	Total	n.p.	n.p.	n.p.	n.p.	n.p.		
Plastic product mfg—								
2561	Plastic blow moulded product mfg	n.p.	n.p.	—	—	—		
2562	Plastic extruded product mfg	17	—	—	—	—		
2563	Plastic bag and film mfg	105	0.1	n.p.	n.p.	n.p.		
2564	Plastic product, rigid fibre reinforced, mfg	n.p.	n.p.	—	—	—		
2565	Plastic foam product mfg	115	0.7	n.p.	n.p.	n.p.		
2566	Plastic injection moulded product mfg	326	0.2	n.p.	n.p.	n.p.		
256	Total	640	0.2	62	—	0.3		
25	Total petroleum, coal, chemical and associated product mfg	6,317	0.5	2,788	—	3.4		

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS. SOUTH AUSTRALIA, 1992-93—continued

Industry class	ANZSIC code	Description	Current expenditure on environmental protection		Capital expenditure to abate pollution	
			(\$'000)	Proportion of total turnover (%)	(\$'000)	Proportion of total capital expenditure (%)
NON-METALLIC MINERAL PRODUCT MFG—						
261		Glass and glass product mfg	n.p.	n.p.	—	—
	Ceramic mfg—					
2621		Clay brick mfg	141	0.3	n.p.	n.p.
2622		Ceramic product mfg	—	—	—	—
2623		Ceramic tile and pipe mfg	n.p.	n.p.	—	—
2629		Ceramic product mfg n.e.c.	n.p.	n.p.	—	—
262		Total	215	0.4	n.p.	n.p.
	Cement, lime, plaster and concrete product mfg—					
2631		Cement and lime mfg	n.p.	n.p.	—	—
2632		Plaster product mfg	n.p.	n.p.	n.p.	n.p.
2633		Concrete slurry mfg	166	0.2	n.p.	n.p.
2634		Concrete pipe and box culvert mfg	n.p.	n.p.	—	—
2635		Concrete product mfg n.e.c.	196	n.p.	n.p.	n.p.
263		Total	726	0.2	n.p.	n.p.
264		Non-metallic mineral product mfg n.e.c.	n.p.	n.p.	n.p.	n.p.
26		Total non-metallic mineral product mfg	1,094	0.2	476	2.6
METAL PRODUCT MFG—						
	Iron and steel mfg—					
2711		Basic iron and steel mfg	3,170	0.4	3,415	8.1
2712		Iron and steel casting and forging	n.p.	n.p.	n.p.	n.p.
2713		Steel pipe and tube mfg	n.p.	n.p.	n.p.	n.p.
271		Total	3,732	0.4	3,463	7.7
	Basic non-ferrous metal mfg—					
2721		Alumina production	—	—	—	—
2722		Aluminium smelting	—	—	—	—
2723		Copper, silver, lead and zinc smelting, refining	n.p.	n.p.	n.p.	n.p.
2729		Basic non-ferrous metal mfg n.e.c.	2,154	n.p.	n.p.	n.p.
272		Total	n.p.	n.p.	n.p.	n.p.
	Non-ferrous basic metal product mfg—					
2731		Aluminium rolling, drawing, extruding	—	—	—	—
2732		Non-ferrous metal rolling, drawing, extruding n.e.c.	—	—	—	—
2733		Non-ferrous metal casting	n.p.	n.p.	—	—
273		Total	n.p.	n.p.	—	—
	Structural metal product mfg—					
2741		Structural steel fabricating	52	—	n.p.	n.p.
2742		Architectural aluminium product mfg	382	0.3	n.p.	n.p.
2749		Structural metal product mfg n.e.c.	21	0.1	n.p.	n.p.
274		Total	454	0.1	25	0.6
	Sheet metal product mfg—					
2751		Metal container mfg	n.p.	n.p.	—	—
2759		Sheet metal product mfg n.e.c.	n.p.	n.p.	n.p.	n.p.
275		Total	96	0.1	n.p.	n.p.
	Fabricated metal product mfg—					
2761		Hand tool and general hardware mfg	22	n.p.	—	—
2762		Spring and wire product mfg	15	—	n.p.	n.p.
2763		Nut, bolt, screw and rivet mfg	n.p.	n.p.	—	—
2764		Metal coating and finishing	297	0.6	116	14.5
2765		Non-ferrous pipe fitting mfg	n.p.	n.p.	—	—
2769		Fabricated metal product mfg n.e.c.	551	0.3	n.p.	n.p.
276		Total	897	0.3	184	1.6
27		Total metal product mfg	20,381	0.9	11,449	7.6

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1992-93—continued

Industry class	ANZSIC code	Description	Current expenditure on environmental protection		Capital expenditure to abate pollution	
			(\$'000)	Proportion of total turnover (%)	(\$'000)	Proportion of total capital expenditure (%)
MACHINERY AND EQUIPMENT MFG.						
Motor vehicle and part mfg—						
2811 Motor vehicle mfg	2811	Motor vehicle mfg	n.p.	n.p.	n.p.	n.p.
2812 Motor vehicle body mfg	2812	Motor vehicle body mfg	68	0.1	—	—
2813 Automotive electrical and instrument mfg	2813	Automotive electrical and instrument mfg	22	0.2	—	—
2819 Automotive component mfg n.e.c.	2819	Automotive component mfg n.e.c.	n.p.	n.p.	n.p.	n.p.
Total	281	Total	3,065	0.1	3,083	1.5
Other transport equipment mfg—						
2821 Shipbuilding	2821	Shipbuilding	n.p.	n.p.	—	—
2822 Boatbuilding	2822	Boatbuilding	n.p.	n.p.	—	—
2823 Railway equipment mfg	2823	Railway equipment mfg	n.p.	n.p.	n.p.	n.p.
2824 Aircraft mfg	2824	Aircraft mfg	n.p.	n.p.	—	—
2829 Transport equipment mfg n.e.c.	2829	Transport equipment mfg n.e.c.	n.p.	n.p.	—	—
Total	282	Total	21	n.p.	n.p.	n.p.
Photographic and scientific equipment mfg—						
2831 Photographic and optical good mfg	2831	Photographic and optical good mfg	n.p.	n.p.	—	—
2832 Medical and surgical equipment mfg	2832	Medical and surgical equipment mfg	8	—	—	—
2839 Professional and scientific equipment mfg n.e.c.	2839	Professional and scientific equipment mfg n.e.c.	n.p.	n.p.	—	—
Total	283	Total	51	—	—	—
Electronic equipment mfg—						
2841 Computer and business machine mfg	2841	Computer and business machine mfg	n.p.	n.p.	—	—
2842 Telecommunication, broadcasting and transceiving equipment mfg	2842	Telecommunication, broadcasting and transceiving equipment mfg	n.p.	n.p.	—	—
2849 Electronic equipment mfg n.e.c.	2849	Electronic equipment mfg n.e.c.	n.p.	n.p.	n.p.	n.p.
Total	284	Total	107	n.p.	n.p.	n.p.
Electrical equipment and appliance mfg—						
2851 Household appliance mfg	2851	Household appliance mfg	474	0.1	n.p.	n.p.
2852 Electric cable and wire mfg	2852	Electric cable and wire mfg	n.p.	n.p.	—	—
2853 Battery mfg	2853	Battery mfg	n.p.	n.p.	n.p.	n.p.
2854 Electric light and sign mfg	2854	Electric light and sign mfg	138	0.4	—	—
2859 Electrical equipment mfg n.e.c.	2859	Electrical equipment mfg n.e.c.	148	—	n.p.	n.p.
Total	285	Total	1,548	0.2	188	0.8
Industrial machinery and equipment mfg—						
2861 Agricultural machinery mfg	2861	Agricultural machinery mfg	88	0.1	—	—
2862 Mining and construction machinery mfg	2862	Mining and construction machinery mfg	n.p.	n.p.	—	—
2863 Food processing machinery mfg	2863	Food processing machinery mfg	n.p.	n.p.	—	—
2864 Machine tool and part mfg	2864	Machine tool and part mfg	62	0.1	n.p.	n.p.
2865 Lifting and material handling equipment mfg	2865	Lifting and material handling equipment mfg	11	—	—	—
2866 Pump and compressor mfg	2866	Pump and compressor mfg	—	—	—	—
2867 Commercial space heating and cooling equipment mfg	2867	Commercial space heating and cooling equipment mfg	n.p.	n.p.	—	—
2869 Industrial machinery and equipment mfg n.e.c.	2869	Industrial machinery and equipment mfg n.e.c.	100	0.1	—	—
Total	286	Total	267	0.1	n.p.	n.p.
28 Total machinery and equipment mfg	28	Total machinery and equipment mfg	5,059	0.1	3,359	1.3

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1992-93—*continued*

Industry class	ANZSIC code	Description	Current expenditure on environmental protection		Capital expenditure to abate pollution	
			(\$'000)	Proportion of total turnover (%)	(\$'000)	Proportion of total capital expenditure (%)
OTHER MANUFACTURING						
		Prefabricated building mfg—				
2911		Prefabricated metal building mfg	6	—	—	—
2919		Prefabricated building mfg n.e.c.	13	0.2	—	—
291		<i>Total</i>	19	0.1	—	—
		Furniture mfg—				
2921		Wooden furniture and upholstered seat mfg	307	0.2	n.p.	n.p.
2922		Sheet metal furniture mfg	n.p.	n.p.	—	—
2923		Mattress mfg (except rubber)	n.p.	n.p.	—	—
2929		Furniture mfg n.e.c.	47	0.1	—	—
292		<i>Total</i>	361	0.1	n.p.	n.p.
		Miscellaneous manufacturing—				
2941		Jewellery and silverware mfg	n.p.	n.p.	—	—
2942		Toy and sporting good mfg	n.p.	n.p.	n.p.	n.p.
2949		Manufacturing n.e.c.	n.p.	n.p.	—	—
294		<i>Total</i>	49	0.1	n.p.	n.p.
29		<i>Total other manufacturing</i>	429	0.1	n.p.	n.p.
21-29		TOTAL MANUFACTURING	40,169	0.3	31,452	4.4

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraph 21 of the Explanatory Notes. Establishments which did not respond to the questions are treated as having nil expenditure.

TABLE 7. MANUFACTURING ESTABLISHMENTS (a): EXPORTS OF GOODS PRODUCED BY BROAD EMPLOYMENT SIZE (b) BY INDUSTRY SUBDIVISION
SOUTH AUSTRALIA, 1992-93 (c)

		Employment size group				Total
		0-49 persons		50-99 persons		100 or more persons
		Amount exported by this business or its agent (\$m)	Exports as a proportion of sales of goods produced (%)	Amount exported by this business or its agent (\$m)	Exports as a proportion of sales of goods produced (%)	Amount exported by this business or its agent (\$m)
Industry subdivision						
ANZSIC code		Description				
21		Food, beverage and tobacco mfg	87.9	12.2	22.3	6.5
22		Textile, clothing, footwear and leather mfg	13.3	11.3	0.2	0.5
23		Wood and paper product mfg	0.1	0.1	—	—
24		Printing, publishing and recorded media	2.0	1.0	n.p.	n.p.
25		Petroleum, coal, chemical and associated product mfg	9.2	2.6	n.p.	n.p.
26		Non-metallic mineral product mfg	n.p.	n.p.	n.p.	7.2
27		Metal product mfg	2.2	0.5	105.0	29.7
28		Machinery and equipment mfg	21.8	5.2	16.6	6.6
29		Other manufacturing	n.p.	n.p.	n.p.	n.p.
38.4		Total manufacturing	138.4	4.9	154.7	11.3
21-29						
		Exports as a proportion of sales of goods produced (%)				
		15.8	1,543.5	15.8	1,836.6	13.2

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraphs 20 and 22 of the Explanatory Notes. (c) This table excludes those manufacturing establishments which operated during 1992-93 but were not operating at 30 June 1993.

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraphs 20 and 22 of the Explanatory Notes.

TABLE 8. MANUFACTURING ESTABLISHMENTS (a) SUMMARY OF OPERATIONS (IN PERCENTAGE TERMS) BY PROPORTION OF EXPORTS (b) BY INDUSTRY SUBDIVISION
SOUTH AUSTRALIA, 1992-93

Industry subdivision ANZSIC code	Description	Establishments that do not export		Establishments with exports up to and including 50 % of sales of goods that they produced		Establishments with exports of more than 50 % of sales of goods that they produced	
		Employment at end of June (c) (%)	Wages and salaries (d) (%)	Employment at end of June (c) (%)	Wages and salaries (d) (%)	Employment at end of June (c) (%)	Wages and salaries (d) (%)
				Value added (e) (%)	Turnover (f) (%)	Value added (g) (%)	Turnover (h) (%)
21	Food, beverage and tobacco mfg	54.4	50.0	46.1	42.6	32.2	35.1
22	Textile, clothing, footwear and leather mfg	38.3	30.7	20.3	22.6	n.p.	47.4
23	Wood and paper product mfg	86.1	87.8	80.2	83.9	13.9	n.p.
24	Printing, publishing and recorded media	82.5	83.1	80.6	84.5	17.5	12.3
25	Petroleum, coal, chemical and associated product mfg	64.4	61.6	65.1	60.9	n.p.	13.4
26	Non-metallic mineral product mfg	71.9	72.8	68.5	58.9	n.p.	14.9
27	Metal product mfg	47.8	36.7	33.7	34.1	42.8	n.p.
28	Machinery and equipment mfg	29.9	29.9	25.8	28.9	66.3	39.6
29	Other manufacturing	89.1	88.1	86.1	86.4	10.6	67.0
21-29	Total manufacturing	51.1	47.9	42.7	44.5	42.8	45.1
						47.4	6.1
						7.0	9.1
							8.1

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraph 22 of the Explanatory Notes. (c) Includes working proprietors. (d) Excludes the drawings of working proprietors.

TABLE 9. MANUFACTURING ESTABLISHMENTS (a): RELATIVE STANDARD ERRORS (b) FOR SELECTED DATA ITEMS BY INDUSTRY SUBDIVISION
SOUTH AUSTRALIA, 1992-93

<i>Industry subdivision</i>	<i>ANZSIC code</i>	<i>Description</i>	<i>Employment at end of June (c)</i>	<i>Wages and salaries (d)</i>	<i>Turnover</i>	<i>Purchases</i>	<i>Value added</i>	<i>Own account capital work</i>	<i>Acquisition of plant, machinery and equipment</i>
21	Food, beverage and tobacco mfg		1.3	1.0	1.1	1.6	1.9	0.4	2.5
22	Textile, clothing, footwear and leather mfg		1.8	1.2	0.9	1.1	0.9	23.6	5.0
23	Wood and paper product mfg		1.5	1.2	1.3	1.7	1.1	0.1	1.7
24	Printing, publishing and recorded media		3.2	2.7	2.2	2.2	2.3	6.6	13.7
25	Petroleum, coal, chemical and associated product mfg		0.9	0.8	0.5	0.7	0.5	3.2	0.3
26	Non-metallic mineral product mfg		1.7	2.2	1.9	1.2	1.6	0.5	0.6
27	Metal product mfg		1.4	0.9	0.7	1.0	1.0	1.0	0.8
28	Machinery and equipment mfg		1.0	0.8	0.4	0.3	0.7	0.8	0.2
29	Other manufacturing		2.9	2.9	2.8	3.3	3.0	66.3	5.3
21-29	Total manufacturing		0.5	0.4	0.3	0.4	0.4	2.2	0.3

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraphs 12 to 14 of the Explanatory Notes. (c) Includes working proprietors. (d) Excludes the drawings of working proprietors.

TABLE 10. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 TO 1991-92 (b)

Industry class ANZSIC	Code	Description	Employment at end of June (c) ('000)		Turnover (d) (\$m)		Value added (e) (\$m)	
			1989-90	1990-91	1991-92	1989-90	1990-91	1991-92
FOOD, BEVERAGE AND TOBACCO MFG—								
2111		Meat and meat product mfg—	3.4	3.0	2.8	449.9	426.6	394.8
		Meat processing	0.5	n.p.	n.p.	n.p.	n.p.	148.7
2112		Poultry processing	0.7	n.p.	n.p.	n.p.	n.p.	n.p.
2113		Bacon, ham and smallgoods mfg	4.6	4.5	4.2	615.0	610.7	n.p.
211		Total						206.7
		Dairy product mfg—						
2121		Milk and cream processing	n.p.	0.2	n.p.	n.p.	n.p.	n.p.
2122		Ice cream mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2129		Dairy product mfg n.e.c.	0.4	0.5	0.4	128.1	112.9	112.9
212		Total	0.8	n.p.	0.7	242.5	238.7	72.9
213		Fruit and vegetable processing	0.9	0.9	0.8	174.4	199.5	217.7
214		Oil and fat mfg	n.p.	n.p.	n.p.	n.p.	n.p.	39.7
		Flour mill and cereal food mfg—						
2151		Flour mill product mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2152		Cereal food and baking mix mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
215		Total	n.p.	0.5	n.p.	n.p.	122.4	n.p.
		Bakery product mfg—						
2161		Bread mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2162		Cake and pastry mfg	1.3	1.3	1.2	69.6	78.4	86.9
2163		Biscuit mfg	n.p.	n.p.	n.p.	n.p.	n.p.	38.4
216		Total	3.4	3.3	2.9	219.3	215.7	249.9
		Other food mfg—						
2171		Sugar mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2172		Confectionery mfg	0.1	0.2	0.2	22.7	33.5	11.2
		Seafood processing	0.4	n.p.	0.6	134.6	n.p.	149.8
2173		Prepared animal and bird feed mfg	n.p.	0.2	0.2	n.p.	71.6	63.3
2174		Food mfg n.e.c.	0.9	n.p.	0.8	90.4	n.p.	80.4
2179		Total	1.8	2.0	1.8	367.3	416.7	40.7
217								159.0
		Beverage and malt mfg						
2181		Soft drink, cordial and syrup mfg	0.6	0.6	n.p.	n.p.	n.p.	n.p.
2182		Beer and malt mfg	0.8	0.8	0.7	236.4	259.7	95.7
2183		Wine mfg	2.5	2.9	2.5	494.1	465.9	248.0
2184		Spirit mfg	—	—	n.p.	n.p.	450.4	450.4
218		Total	4.0	4.3	4.0	885.7	887.8	n.p.
								413.3

For footnotes see end of table.

TABLE 10. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 TO 1991-92 (b) *continued*

Industry class ANZSIC Code	Description	Employment at end of June (c) ('000)				Turnover (d) (\$m)			
		1989-90		1990-91		1991-92		1990-91	
		1989-90	1990-91	1991-92	1990-91	1991-92	1990-91	1991-92	1989-90
219 Tobacco product mfg									
21 Total food, beverage and tobacco mfg		15.9		16.2		15.0		2,726.6	
219 Tobacco product mfg								2,744.4	
219 Total food, beverage and tobacco mfg									1,054.6
TEXILE, CLOTHING, FOOTWEAR AND LEATHER MFG—									
Textile fibre, yarn and woven fabric mfg—									
2211 Wool scouring		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2212 Synthetic fibre textile mfg		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2213 Cotton textile mfg		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2214 Wool textile mfg		n.p.	0.3	n.p.	n.p.	n.p.	8.4	n.p.	n.p.
2215 Textile finishing		n.p.	0.1	n.p.	n.p.	n.p.	8.2	n.p.	n.p.
<i>Total</i>		<i>f.g.</i>	<i>f.6</i>	<i>f.4</i>	<i>f.4</i>	<i>f.3</i>	<i>f.3</i>	<i>f.3</i>	<i>f.4</i>
Textile product mfg									
2221 Made-up textile product mfg		0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
2222 Textile floor covering mfg		n.p.	—	—	—	n.p.	n.p.	n.p.	n.p.
2223 Rope, cordage and twine mfg		n.p.	0.1	n.p.	0.1	n.p.	n.p.	n.p.	n.p.
2229 Textile product mfg n.e.c.		n.p.	0.9	n.p.	0.9	n.p.	9.6	n.p.	n.p.
<i>Total</i>		<i>f.g.</i>	<i>f.9</i>	<i>f.g.</i>	<i>f.9</i>	<i>f.g.</i>	<i>f.8</i>	<i>f.9</i>	<i>f.2</i>
Knitting mills									
2231 Hosiery mfg		—	—	—	—	—	—	—	—
2232 Cardigan and pullover mfg		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
2239 Knitting mill product mfg n.e.c.		n.p.	0.2	n.p.	0.2	n.p.	0.2	n.p.	n.p.
<i>Total</i>		<i>f.p.</i>	<i>f.3</i>	<i>f.p.</i>	<i>f.2</i>	<i>f.p.</i>	<i>f.2</i>	<i>f.p.</i>	<i>f.p.</i>
Clothing mfg—									
2241 Men's and boys' wear mfg		1.2	1.2	1.0	1.0	1.0	1.0	1.0	1.0
2242 Women's and girls' wear mfg		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2243 Sleepwear, underwear and infant clothing mfg		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2249 Clothing mfg n.e.c.		n.p.	2.9	n.p.	2.6	n.p.	2.6	n.p.	n.p.
<i>Total</i>		<i>f.g.</i>	<i>f.9</i>	<i>f.g.</i>	<i>f.7</i>	<i>f.g.</i>	<i>f.7</i>	<i>f.g.</i>	<i>f.g.</i>
225 Footwear mfg		<i>f.g.</i>	<i>f.9</i>	<i>f.g.</i>	<i>f.9</i>	<i>f.g.</i>	<i>f.9</i>	<i>f.g.</i>	<i>f.g.</i>
Leather and leather product mfg									
2261 Leather tanning and fur dressing		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
2262 Leather and leather substitute product mfg		n.p.	0.1	n.p.	0.2	n.p.	0.2	n.p.	n.p.
<i>Total</i>		<i>f.p.</i>	<i>f.2</i>	<i>f.2</i>	<i>f.2</i>	<i>f.p.</i>	<i>f.2</i>	<i>f.p.</i>	<i>f.p.</i>
22 Total textile, clothing, footwear and leather mfg		7.2	6.5	5.8	5.8	715.3	770.9	868.2	312.2

For footnotes see end of table.

TABLE 10. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 TO 1991-92 (b) continued

Industry class ANZSIC Code	Description	Employment at end of June (c) ('000)		Turnover (d) (\$m)		Value added (e) (\$m)
		1989-90	1990-91	1991-92	1992-93	
WOOD AND PAPER PRODUCT MFG—						
2311	Log sawmilling and timber dressing	n.p.	n.p.	n.p.	n.p.	n.p.
2312	Wood chipping	0.9	0.5	0.5	n.p.	n.p.
2313	Timber resawing and dressing	.8	1.6	1.7	193.2	227.1
231	<i>Total</i>				266.0	307.7
Other wood product mfg—						
2321	Plywood and veneer mfg	1.3	n.p.	0.2	26.2	n.p.
2322	Fabricated wood mfg	n.p.	n.p.	1.3	n.p.	n.p.
2323	Wooden structural component mfg	n.p.	1.3	1.5	n.p.	n.p.
2329	Wood product mfg n.e.c.	0.5	0.4	n.p.	37.2	16.9
232	<i>Total</i>	2.5	2.3	2.2	224.9	216.4
Paper and paper product mfg—						
2331	Pulp, paper and paperboard mfg	n.p.	n.p.	n.p.	n.p.	n.p.
2332	Solid paperboard container mfg	n.p.	0.3	0.4	n.p.	n.p.
2333	Corrugated paperboard container mfg	0.3	0.5	n.p.	n.p.	103.8
2334	Paper bag and sack mfg	0.2	0.2	n.p.	29.7	36.8
2339	Paper product mfg n.e.c.	0.9	0.9	0.8	n.p.	n.p.
233	<i>Total</i>	1.6	1.6	1.5	364.8	355.3
23	<i>Total wood and paper product mfg</i>	5.9	5.4	5.6	682.9	742.0
PRINTING, PUBLISHING AND RECORDED MEDIA—						
Printing and services to printing—						
2411	Paper stationery mfg	.3	1.2	1.2	141.6	165.4
2412	Printing	.8	1.7	1.8	160.1	162.5
2413	Services to printing	1.4	0.3	0.3	31.5	19.7
241	<i>Total</i>	3.6	3.3	3.4	333.3	376.3
Publishing						
2421	Newspaper printing or publishing	2.1	2.1	1.6	239.0	242.3
2422	Other periodical publishing	—	0.1	0.1	2.3	9.9
2423	Book and other publishing	—	0.1	0.1	5.7	7.8
242	<i>Total</i>	2.2	2.4	1.8	246.9	260.0
243	<i>Recorded media manufacturing and publishing</i>	—	—	—	—	—
24	<i>Total printing, publishing and recorded media</i>	5.8	5.6	5.2	580.3	569.7

For footnotes see end of table.

TABLE 10. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 TO 1991-92 (b) continued

Industry class ANZSIC Code	Description	Employment at end of June (c) ('000s)			Turnover (d) (\$m)			Value added (e) (\$m)		
		1989-90	1990-91	1991-92	1989-90	1990-91	1991-92			
PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG—										
<i>Petroleum and coal product mfg n.e.c.</i>										
251	Petroleum refining	n.p.	n.p.	0.3	n.p.	n.p.	n.p.	n.p.		
252	Petroleum and coal product mfg n.e.c.	n.p.	n.p.	0.3	n.p.	n.p.	n.p.	n.p.		
Basic chemical mfg—										
2531	Fertiliser mfg	0.4	n.p.	0.3	n.p.	n.p.	n.p.	119.4		
2532	Industrial gas mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2533	Synthetic resin mfg	n.p.	0.1	n.p.	n.p.	n.p.	n.p.	n.p.		
2534	Organic industrial chemical mfg n.e.c.	0.2	n.p.	n.p.	n.p.	n.p.	n.p.	16.9		
2535	Inorganic industrial chemical mfg n.e.c.	0.6	n.p.	0.6	157.1	196.1	197.7	70.4		
253	Total	1.2	1.3	1.2	360.9	375.3	371.9	146.7		
Other chemical product mfg—										
2541	Explosive mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2542	Paint mfg	n.p.	n.p.	0.5	n.p.	n.p.	n.p.	n.p.		
2543	Medicinal and pharmaceutical product mfg	0.4	n.p.	0.5	n.p.	n.p.	n.p.	66.2		
2544	Pesticide mfg	...	n.p.	...	n.p.	n.p.	n.p.	34.4		
2545	Soap and other detergent mfg	n.p.	0.1	n.p.	n.p.	n.p.	n.p.	n.p.		
2546	Cosmetic and toiletry preparation mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2547	Ink mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2549	Chemical product mfg n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
254	Total	0.9	1.1	1.1	150.4	186.7	222.6	76.0		
Rubber product mfg—										
2551	Rubber product mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
2559	Rubber product mfg n.e.c.	n.p.	n.p.	0.1	n.p.	n.p.	n.p.	11.9		
255	Total	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.		
Plastic product mfg—										
2561	Plastic blow moulded product mfg	0.2	0.3	0.2	32.4	48.5	40.6	14.6		
2562	Plastic extruded product mfg	0.7	0.4	0.4	91.5	63.2	60.8	38.5		
2563	Plastic bag and film mfg	0.7	0.7	0.6	86.0	99.5	94.2	33.5		
2564	Plastic product, rigid fibre reinforced, mfg	n.p.	n.p.	0.p.	n.p.	n.p.	n.p.	3.8		
2565	Plastic foam product mfg	n.p.	0.1	0.1	n.p.	160.4	225.3	16.7		
2566	Plastic injection moulded product mfg	1.5	1.8	1.5	194.4	194.4	87.0	87.0		
256	Total	3.3	3.2	2.9	393.9	436.9	410.6	182.2		
25	Total petroleum, coal, chemical and associated product mfg	7.6	7.8	6.9	1,294.9	1,463.0	1,468.8	583.7		

For footnotes see end of table.

TABLE 40. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 TO 1991-92 (b) - continued

Industry class	ANZSIC Code	Description	Establishment at end of June (c)		Turnover (d) (\$m)		Value added (e) (\$m)
			1989-90	1990-91	1991-92	1990-91	
261		Glass and glass product mfg	0.5	n.p.	0.5	n.p.	n.p.
262		NON-METALLIC MINERAL PRODUCT MFG--	0.5	n.p.	0.5	n.p.	n.p.
2621		Ceramic mfg--	0.3	0.3	0.3	45.3	42.3
2622		Clay brick mfg	n.p.	n.p.	n.p.	n.p.	n.p.
2623		Ceramic product mfg	n.p.	n.p.	n.p.	n.p.	n.p.
2629		Ceramic tile and pipe mfg	0.1	0.1	0.1	3.6	4.1
		Ceramic product mfg n.e.c.	0.5	0.5	0.4	53.0	53.3
		Total					53.4
2631		Cement, lime, plaster and concrete product mfg	n.p.	n.p.	n.p.	n.p.	n.p.
2632		Cement and lime mfg	0.2	n.p.	n.p.	n.p.	n.p.
2633		Plaster product mfg	0.4	0.4	0.3	120.9	102.6
2634		Concrete slurry mfg	n.p.	n.p.	n.p.	n.p.	84.5
2635		Concrete pipe and box culvert mfg	0.2	0.8	0.7	n.p.	n.p.
		Concrete product mfg n.e.c.	2.3	1.8	1.6	127.6	95.1
		Total				429.4	322.9
							374.7
264		Non-metallc mineral product mfg n.e.c.	0.4	n.p.	0.3	n.p.	n.p.
26		Total non-metallc mineral product mfg	3.8	3.1	2.8	592.9	545.0
							493.2
271		METALL PRODUCT MFG--					
		Iron and steel mfg--					
2711		Basic iron and steel mfg	4.3	4.1	3.3	n.p.	n.p.
2712		Iron and steel casting and forging	0.6	0.7	0.6	92.6	61.1
2713		Steel pipe and tube mfg	0.4	0.5	0.4	n.p.	n.p.
		Total	5.4	5.2	4.2	968.2	828.2
							586.8
2721		Basic non-ferrous metal mfg					
		Alumina production	n.p.	n.p.	n.p.	n.p.	n.p.
2722		Aluminium smelting	1.5	1.6	1.3	506.3	506.3
2723		Copper, silver, lead and zinc smelting, refining	n.p.	n.p.	0.1	n.p.	n.p.
2729		Basic non-ferrous metal mfg n.e.c.	1.6	1.6	1.4	n.p.	666.4
		Total					
2731		Non-ferrous basic metal product mfg	n.p.	n.p.	n.p.	n.p.	n.p.
2732		Aluminium rolling, drawing, extruding					
		Non-ferrous metal rolling, drawing,					
		extruding n.e.c.					
2733		Non-ferrous metal casting	n.p.	n.p.	n.p.	n.p.	n.p.
		Total	0.2	0.2	0.1	13.6	11.6

For footnotes see end of table.

Industry class		Employment at end of June (c) ('000)		Furnace (d) (\$m)		Value added (e) (\$m)	
ANZSIC Code	Description	1989-90	1990-91	1991-92	1992-93	1991-92	1989-90
2741	Structural metal product mfg—						
2741	Structural steel fabricating	1.6	1.7	1.1	206.0	223.4	185.0
2742	Architectural aluminium product mfg	1.0	1.1	1.0	127.7	147.3	139.7
2749	Structural metal product mfg n.e.c.	0.4	0.2	0.3	43.7	31.3	14.8
274	Total	3.0	3.0	2.3	377.5	411.3	358.0
2751	Sheet metal product mfg—						
2751	Metal container mfg	0.2	0.1	n.p.	17.1	n.p.	8.6
2759	Sheet metal product mfg n.e.c.	1.6	1.0	n.p.	144.8	n.p.	62.9
275	Total	1.7	1.1	n.p.	161.9	n.p.	71.5
2761	Fabricated metal product mfg—						
2761	Hand tool and general hardware mfg	0.1	0.1	0.1	8.2	7.0	4.9
2762	Spring and wire product mfg	0.5	0.4	0.5	28.1	33.4	47.9
2763	Nut, bolt, screw and rivet mfg	0.2	0.1	0.2	15.1	12.4	8.0
2764	Metal coating and finishing	0.7	0.6	0.6	43.2	42.9	25.3
2765	Non-ferrous pipe fitting mfg	0.1	0.1	0.1	14.6	44.8	8.7
2769	Fabricated metal product mfg n.e.c.	1.7	1.7	1.7	157.0	166.9	214.8
276	Total	3.3	3.1	3.2	266.2	268.6	330.9
27	Total metal product mfg	14.3	12.5	12.5	2,306.1	2,249.1	2,268.4
MACHINERY AND EQUIPMENT MFG							
2811	Motor vehicle and part mfg—						
2811	Motor vehicle mfg	9.3	8.8	8.6	n.p.	n.p.	n.p.
2812	Motor vehicle body mfg	0.7	0.6	0.6	59.3	63.5	51.2
2813	Automotive electrical and instrument mfg	n.p.	n.p.	0.1	n.p.	n.p.	32.6
2819	Automotive component mfg n.e.c.	n.p.	n.p.	3.8	n.p.	n.p.	n.p.
281	Total	15.8	13.1	13.8	3,055.1	3,473.7	3,562.9
2821	Other transport equipment mfg—						
2821	Shipbuilding	0.6	1.1	1.0	n.p.	n.p.	n.p.
2822	Boatbuilding	0.2	0.2	0.2	12.5	12.3	5.3
2823	Railway equipment mfg			—	—	—	—
2824	Aircraft mfg	0.1	0.2	0.1	6.7	33.6	20.5
2829	Transport equipment mfg n.e.c.	0.1	0.1	0.1	n.p.	5.4	3.2
282	Total	1.0	1.3	1.3	n.p.	7.4	n.p.
2831	Photographic and scientific equipment mfg—						
2831	Photographic and optical good mfg	0.8	1.3	1.3	49.0	84.3	101.2
2832	Medical and surgical equipment mfg	0.5	0.2	0.2	n.p.	n.p.	11.5
2839	Professional and scientific equipment mfg n.e.c.	1.2	1.0	1.0	86.1	64.1	101.5
283	Total	2.5	2.6	2.5	n.p.	161.1	174.2

For footnotes see end of table.

TABLE 10. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 TO 1991-92 (b) - (continued)

Industry class	ANZSIC Code	Description	Employment at end of June (c)		Turnover (d) (\$m)		Value added (e) (\$m)	
			1990-91		1990-91			
			1990-90	1990-91	1990-91	1990-91		
284	2841	Electronic equipment mfg— Computer and business machine mfg	n.p.	0.2	0.1	n.p.	n.p.	
2842	2842	Telecommunication, broadcasting and transceiving equipment mfg	n.p.	0.4	0.3	n.p.	32.5	
2849	2849	Electronic equipment mfg n.e.c.	0.6	0.7	0.6	68.4	64.6	
284	Total		1.2	1.1	1.1	n.p.		
285	2851	Electrical equipment and appliance mfg— Household appliance mfg	2.7	2.4	2.3	416.4	385.8	
2852	2852	Electric cable and wire mfg	n.p.	n.p.	n.p.	n.p.	n.p.	
2853	2853	Battery mfg	n.p.	n.p.	n.p.	n.p.	n.p.	
2854	2854	Electric light and sign mfg	0.2	n.p.	n.p.	142.9	142.9	
2859	2859	Electrical equipment mfg n.e.c.	2.7	2.7	2.2	318.0	318.0	
285	Total		6.1	6.1	6.3	859.0	852.6	
286	2861	Industrial machinery and equipment mfg— Agricultural machinery mfg	1.1	0.8	0.6	112.3	86.1	
2862	2862	Mining and construction machinery mfg	n.p.	0.5	0.5	n.p.	65.7	
2863	2863	Food processing machinery mfg	0.1	0.1	0.1	3.6	3.7	
2864	2864	Machine tool and part mfg	1.1	0.9	0.8	84.6	65.1	
2865	2865	Lifting and material handling equipment mfg	1.1	0.5	0.5	112.4	62.8	
2866	2866	Pump and compressor mfg	n.p.	0.2	0.1	n.p.	39.0	
2867	2867	Commercial space heating and cooling equipment mfg		—	0.1	3.6	5.5	
2869	2869	Industrial machinery and equipment mfg n.e.c.	0.9	1.2	1.2	58.6	91.6	
286	Total		5.0	4.2	3.9	460.4	419.8	
28	Total	Total machinery and equipment mfg	31.5	29.3	28.2	5,655.3	5,655.7	
OTHER MANUFACTURING						5,474.7	5,474.7	
291	2911	Prefabricated building mfg	n.p.	0.2	0.2	n.p.	32.3	
2919	2919	Prefabricated metal building mfg	n.p.	0.2	0.1	n.p.	39.2	
291	Total		0.6	0.4	0.3	86.1	71.4	
292	2921	Furniture mfg— Wooden furniture and upholstered seat mfg	2.9	2.5	2.1	206.3	166.5	
2922	2922	Sheet metal furniture mfg	n.p.	n.p.	0.2	n.p.	14.8	
2923	2923	Matress mfg (except rubber)	n.p.	n.p.	0.2	n.p.	27.1	
2929	2929	Furniture mfg n.e.c.	0.4	0.3	0.3	30.5	33.4	
292	Total		3.6	3.1	2.8	271.8	241.8	

For footnotes see end of table.

TABLE 10. MANUFACTURING ESTABLISHMENTS (a) SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, SOUTH AUSTRALIA, 1989-90 TO 1991-92 (b) continued

ANZSIC Code	Description	Employment at end of time (c)			Turnover (d) (\$m)			Value added (e) (\$m)
		1989-90		1990-91	1991-92	1989-90		
		1989-90 ('000)	1990-91 ('000)			1989-90	1990-91	1991-92
Miscellaneous manufacturing								
2941	Jewellery and silverware mfg	0.2	0.2	0.2	0.2	13.9	13.9	7.1
2942	Toy and sporting good mfg	1.0	{	0.1	0.1	{	11.7	{
2949	Manufacturing n.e.c.		0.8	0.6	0.6	81.0	73.5	36.9
294	Total	1.2	1.1	0.8	0.8	96.7	85.7	44.0
29	<i>Total other manufacturing</i>	5.4	4.6	3.9	3.9	434.6	366.4	195.8
21-29	TOTAL MANUFACTURING	98.2	92.9	85.8	85.8	15,157.0	14,863.4	14,936.9
								6,803.9

(a) See paragraph 8 of the Explanatory Notes. (b) For comparability of data over the time periods shown, see paragraph 15 of the Explanatory Notes. (c) Includes working proprietors. (d) These data are at current prices and, therefore, do not discount the impact of price changes. (e) Value added data are not available for the years 1990-91 and 1991-92, as the data items necessary to derive them were not collected in these years.

EXPLANATORY NOTES

INTRODUCTION

- 1 This publication presents final statistics compiled from a survey of manufacturing establishments for 1992–93, with some comparative statistics relating to preceding years.
- 2 For the 1992–93 collection, a sample of approximately 21,000 manufacturing businesses, nationally, was approached to provide information. All previous manufacturing collections were conducted by approaching all known manufacturing businesses.
- 3 The manufacturing collection is conducted on an annual basis and businesses are annually requested to provide data on employment, wages and salaries paid and turnover. For the 1992–93 collection, additional information related to detailed structural and performance data, such as value added, stocks, purchases and capital expenditure, and manufacturing exports was collected. To complement the environmental protection data collected in both the 1990–91 and 1991–92 censuses, the 1992–93 survey also collected some data on issues related to environmental protection.
- 4 Manufacturing, as specified in Division C of the *Australian and New Zealand Standard Industrial Classification* (ANZSIC), 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 main unit for which statistics are reported in the annual manufacturing collection is the establishment. Prior to the 1988–89 census, this unit covered, in general, all the operations carried on under the ownership of one enterprise (business) at a single physical location.
- 6 The standard units definitions were revised for the 1988–89 census, with the establishment now being generally delineated on the basis of availability of accounting data rather than in terms of a location.
- 7 These new definitions were progressively implemented on the ABS central business register as reporting arrangements with individual businesses were finalised. The new definitions were fully implemented on the ABS central business register in time for the 1990–91 census for those units classified to the manufacturing industry.
- 8 A manufacturing establishment is one predominantly engaged in manufacturing activities, but the data collected for it cover all activities of the establishment (including non-manufacturing activities). Conversely, there are some establishments predominantly engaged in non-manufacturing activities which also undertake limited manufacturing activities and which are excluded.
- 9 Some of those establishments predominantly engaged in one activity are 'split' into two or more establishments, when the secondary activity exceeds a specific value. (For 1992–93, this value was \$6.5 million in terms of sales and transfers out of goods and services.) These separate establishments are then classified to the industry appropriate to its activity.

STANDARD UNITS	<p>10 Data contained in this publication relate to all manufacturing businesses which operated in South Australia during the year ended 30 June 1993, except for sole proprietorships or family partnerships not employing staff at the end of June 1993. These businesses contribute only marginally to statistical aggregates (other than number of establishments). In addition, the ABS attempts to obtain data in respect of those businesses which either commenced or ceased operation during the year, but it is not possible to obtain data in respect of them all.</p>
RELIABILITY OF ESTIMATES	<p>11 For the definition of the standard units now in use, see the Glossary.</p> <p>12 Data presented in this publication are based on information obtained from a sample of manufacturers and are, therefore, subject to sampling variability; that is, they may differ from the figures that would have been produced if the data had been obtained from all manufacturers in the collection. One measure of the likely difference is given by the standard error, which indicates the extent to which an estimate might have varied by chance because the data were obtained from only a sample of units. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if the data had been obtained from all units, and about 19 chances in 20 that the difference will be less than two standard errors.</p>
COMPARABILITY WITH PREVIOUS STATISTICS	<p>13 The standard error can also be expressed as a percentage of the estimate, and this is known as the relative standard error. The relative standard errors for most of the data presented in this publication are 3% or less for South Australian estimates, as can be seen from the relative standard errors for the indicative data items contained in table 9 of this publication.</p> <p>14 The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by respondents and errors made in collection and processing of the data. Inaccuracies of this kind are referred to as non-sampling error and they may occur in any collection, whether it be a full count or only a sample. Every effort is made to reduce non-sampling error to a minimum by careful design of forms, editing of data and efficient operating procedures.</p>
	<p>15 As explained above, the standard units definitions were revised for the 1988-89 census and the new definitions were fully implemented on the ABS central business register in time for the 1990-91 census for units classified to the manufacturing industry.</p> <p>16 As with the last two issues of this publication, this issue makes no distinction in tables presented between those single establishment businesses with less than four persons employed and all other establishments. For users still interested in the dissection between establishments employing less than four persons and establishments employing four or more persons, attention is drawn to table 5 and the employment size category 0-3 persons. This category includes all establishments employing less than four persons. In most cases, data in this employment size category equates to the category used for tabulations from earlier manufacturing industry collections of less than four persons employed (the major exception being subdivision 26). A detailed break up of the differences can be made available on request.</p>

GROSS PRODUCT AT FACTOR COST

17 Table 4 presents data by industry subdivision for the period 1989–90 to 1992–93 (inclusive) related to constant price estimates of gross product at factor cost. The meaning and measurement of production at constant prices and the limitations and qualifications of the estimates are discussed in detail in *Australian National Accounts: Concepts, Sources and Methods* (5216.0).

18 Previously, estimates for this data item have only been published (for total Australia) in *Manufacturing Industry, Australia* (8221.0). The basic approach in compiling these estimates involves extrapolating a base year estimate of gross product (described below) by a measure of output at constant prices. Constant price turnover is used as the output indicator with which to extrapolate the base year gross product. To obtain constant price estimates of turnover, current price estimates at the ANZSIC class level are deflated by components of the price indices contained in *Price Indexes of Articles Produced by Manufacturing Industry, Australia* (6412.0).

19 The base year gross product is estimated for each ANZSIC class using 1989–90 manufacturing census data for value added and adjusted value added. Value added is calculated using turnover, plus the increase (or less the decrease) in the value of stocks, less purchases, transfers in and selected expenses. Adjusted value added is defined as value added less land tax, rates and payroll tax, insurance premiums (other than for workers' compensation) and other business expenses. To conform to the national accounting concept of gross product at factor cost, further adjustments would be necessary using information from other than manufacturing census sources e.g. by the addition of workers' compensation paid less premiums received. However, due to data limitations, these further adjustments can only be made at the ANZSIC subdivision level and are not taken into account in this publication. (This is because the ANZSIC subdivision data contained in this publication are derived from the data calculated at the ANZSIC class level.) The base year gross product values used in this publication are derived by taking establishment based estimates of adjusted value added and applying a stock valuation adjustment. (See Section 8 of *Australian National Accounts: Concepts, Sources and Methods* (5216.0) for an explanation of how this adjustment is undertaken).

EMPLOYMENT SIZE DATA

20 Summary of operations data at the industry subdivision level classified by employment size are presented in table 5. Similarly, exports of goods produced data at the industry subdivision level classified by broad employment size are presented in table 7. The statistics in these two tables relate only to those manufacturing establishments operating at 30 June 1993. As such, the figures presented may differ slightly from those presented in the other tables. These other tables include data for those manufacturing establishments which operated at any time during 1992–93.

ENVIRONMENTAL STATISTICS

21 Data contained in table 6 relate to current and capital expenditure on environmental protection in the year ended 30 June 1993. Establishments which did not respond were treated as if they had no current or capital expenditure on environmental protection.

EXPORT STATISTICS

22 Data relating to the amount of sales and/or transfers out of goods produced which were subsequently exported are presented in tables 7 and 8. This is the first time that these data have been obtained by the annual manufacturing collection. All units selected in the manufacturing survey were asked whether they exported and, if so, what percentage of their sales of goods produced were exported by them or an agent on their behalf. The data presented in table 7 are derived by applying the percentage of exports reported for each exporting unit and then aggregating that figure. The data in table 7 exclude those manufacturing establishments which operated during 1992-93 but were not operating at 30 June 1993.

INTRODUCTION OF ANZSIC

23 The 1992-93 manufacturing survey introduces the Australian and New Zealand Standard Industrial Classification (ANZSIC) into the annual manufacturing collection. This classification replaces the Australian Standard Industrial Classification (ASIC) previously used. For a more detailed explanation, users attention is drawn to the introduction to table 9 in the 1991-92 issue of this publication and to the *Australian and New Zealand Standard Industrial Classification, 1993* (1292.0). All time series statistics contained in this publication are ANZSIC-based. Table 10 of this publication presents selected statistics by ANZSIC class for the years 1989-90 to 1991-92 (inclusive). Corresponding ANZSIC-based data for years prior to 1989-90 are not available.

INFORMATION PAPER

24 The *Information Paper: Availability of Statistics Related to Manufacturing, 1996* (8205.0), outlines the vast amount of data available about the manufacturing industry in both published and unpublished form available from both the annual manufacturing collection and other ABS collections.

RELATED PUBLICATIONS

25 Users may also wish to refer to the following publications:

- *Cost of Environment Protection, Australia, 1991-92 and 1992-93* (4603.0), to be released later in 1996.
- *Quarterly Indexes of Industrial Production, Australia* (8125.0).
- *Business Operations and Industry Performance, Australia, 1992-93* (8140.0), released on 22 June 1994.
- *Manufacturing Industry, Australia, Preliminary, 1993-94* (8201.0), released on 13 December 1995.
- *Manufacturing Industry, Australia, 1992-93* (8221.0), released on 12 March 1996.
- *Information Paper: Availability of Statistics Related to Manufacturing, 1996* (8205.0), released on 21 March 1996.
- *Manufacturing Production, Australia: Principal Commodities Produced, 1989-90* (8365.0), released on 4 February 1994.

MONTHLY COMMODITY DATA

26 The monthly publication *Manufacturing Production, Australia* (8301.0) includes data for 63 major commodities.

BACK DATA AND UNPUBLISHED STATISTICS

27 A range of manufacturing industry statistics publications is available for previous years. As well, a considerable amount of data from the annual manufacturing collection exists in unpublished form. More detailed information to satisfy individual user requirements may be available on request. A charge would normally be made for providing such information. The Information Paper referred to above provides more details.

28 In particular, constant prices data on an ANZSIC basis are available back to 1984-85. However, constant price estimates on a true ANZSIC basis are only available from 1989-90. Nevertheless, an exercise has been undertaken to convert estimates for earlier years onto an ANZSIC basis using the relationships that applied between ASIC and ANZSIC in the years 1990-91 and 1991-92. These estimates are available at both the Australian and State and Territory levels back to 1984-85. It should be noted that the relationships that applied in 1990-91 and 1991-92 are less likely to apply the earlier the reference year. Also, constant price estimates of gross product at factor cost for the years 1989-90, 1990-91, 1991-92 and 1992-93 by ANZSIC class are available as unpublished data. All of these data can be purchased from the ABS in Canberra by contacting Paul Curran on (06) 252 6801.

ROUNDING

29 Where figures have been rounded, discrepancies may occur between totals and the sums of the component items. Due to the sample nature of the 1992-93 collection, this 'rounding rule' also applies to the 'count' statistics included in this publication.

SYMBOLS AND OTHER USAGES

ANZSIC	Australian and New Zealand Standard Industrial Classification
ASIC	Australian Standard Industrial Classification
n.e.c.	not elsewhere classified
n.p.	not available for publication but included in totals where applicable
r	figure or series revised since previous issue
..	not applicable
—	nil or rounded to zero (incl. null cells)

GLOSSARY

ABS	Australian Bureau of Statistics
Acquisition of dwellings, other buildings and structures	Capital expenditure incurred acquiring dwellings, other buildings and structures. Note that this category includes purchases of both new and second-hand buildings and structures. It also includes purchases of roads, factories, warehouses, offices, bridges, etc.
Acquisition of other (including land and intangible assets)	Capital expenditure incurred acquiring other assets (including land and intangible assets). Intangible asset purchases may include items such as patents, copyrights and licences, but excludes goodwill.
Acquisition of plant, machinery and equipment	Capital expenditure incurred in acquiring plant, machinery and other equipment. Note that this category includes the purchase of motor vehicles.
Amount of goods produced by this establishment (or for it on commission) that are exported by this business or its agent	This represents the sales value of goods produced by an establishment (or for it on commission), including the value of manufactured goods transferred to other establishments of the business, that are exported by the business or its agent.
Australian National Accounts (ANA)	These Accounts are set up to provide a systematic summary of Australia's national economic activity. They have been developed in such a way as to facilitate the practical application of economic theory. National Accounts are summarised to show the key economic flows of the Keynesian system, being: production, income, consumption, investment and saving. They are also designed to show at a more detailed level the statistical picture of the structure of the economy and the detailed processes that make up domestic production and its distribution.
ANZSIC	Australian and New Zealand Standard Industrial Classification
ASIC	Australian Standard Industrial Classification
Average employees	This is derived by taking the average employment for the reference year and then adjusting this figure according to the type of legal organisation (TOLO) that is attributed to the unit. This means that the number of average employees (whole year) is equal to the average employment (whole year) for that unit less 1 (if TOLO = 6 (unit is a sole proprietorship) or less 2 (if TOLO = 7 or 8 (unit is a family partnership or other partnership)).
Average employment	This is derived by summing together the number of working proprietors and the number of employees on the payroll during the last pay period of each month of the financial year. This aggregation is then divided by twelve to derive the average employment over the reference year.
Balance of turnover	The sum of income from services, rent, leasing and hiring income, total government subsidies and the value of own account capital work.
Capital expenditure	Includes all costs incurred in the acquisition of items that are of a capital nature. Included in this are expenses for the acquisition of: dwellings, other buildings and structures; plant, machinery and equipment; and other capital expenditure (including land and intangible assets).
Capital expenditure to abate pollution	Expenditure on new plant, machinery or equipment designed to abate or control pollution by using either end-of-line techniques or change-in-production processes.

Capital expenditure to abate pollution as a proportion of total capital expenditure	This item represents the proportion of total capital expenditure that is utilised in measures designed to abate pollution. Please note that for the data item capital expenditure to abate pollution, establishments which did not respond were treated as if they had no such capital expenditure. However, the ratio is calculated by dividing the reported capital expenditure designed to abate pollution by the total capital expenditure for the ANZSIC class, etc., not just the aggregated capital expenditure for those units which reported capital expenditure to abate pollution.
Capital work done for own use	The value of work done by the employees or proprietors of an establishment for the business' own use, or for rental or lease. This item includes the value of the cost of the materials and the wages and salaries involved.
Change in stocks	The value of total closing stocks minus total opening stocks.
Closing stocks	The value of all stocks of finished goods, work-in-progress, raw materials, fuels, containers and packaging as at the end of the financial year.
Contract, subcontract and commission expenses	Includes payments to other businesses and self-employed persons for work done, or sales made on a contract or commission basis, plus payments to persons paid by commission without a retainer. Excludes commission paid to persons who receive a retainer, commissions paid to own employees and payments to consultants.
Current expenditure on environmental protection	Expenditure on waste management plus other operational or maintenance costs incurred in protection of the environment from pollution. Included are such expenses as government and council fees, charges and taxes relating to pollution abatement and control, charges to remove and dispose of wastes arising from an establishment's production processes, research and development expenditure on pollution abatement and control, and expenditure on environmental impact assessments and environmental audits.
Current expenditure on environmental protection as a proportion of total turnover	This item represents the current expenditure on environmental protection expressed as a proportion of the total turnover. Please note that for the data item current expenditure on environmental protection, establishments which did not respond were treated as if they had no such current expenditure. However, the ratio is calculated by dividing the reported current expenditure on environmental protection by the total turnover for the ANZSIC class, etc., not just the aggregated turnover for those units which reported current expenditure on environmental protection.
Employment at end of June	The number of working proprietors, working partners, permanent, part-time, temporary and casual employees, and managerial and executive employees working for an establishment during the last pay period in June each year. Employees absent on paid or prepaid leave are included. Sole proprietors and partnerships not employing others are excluded.

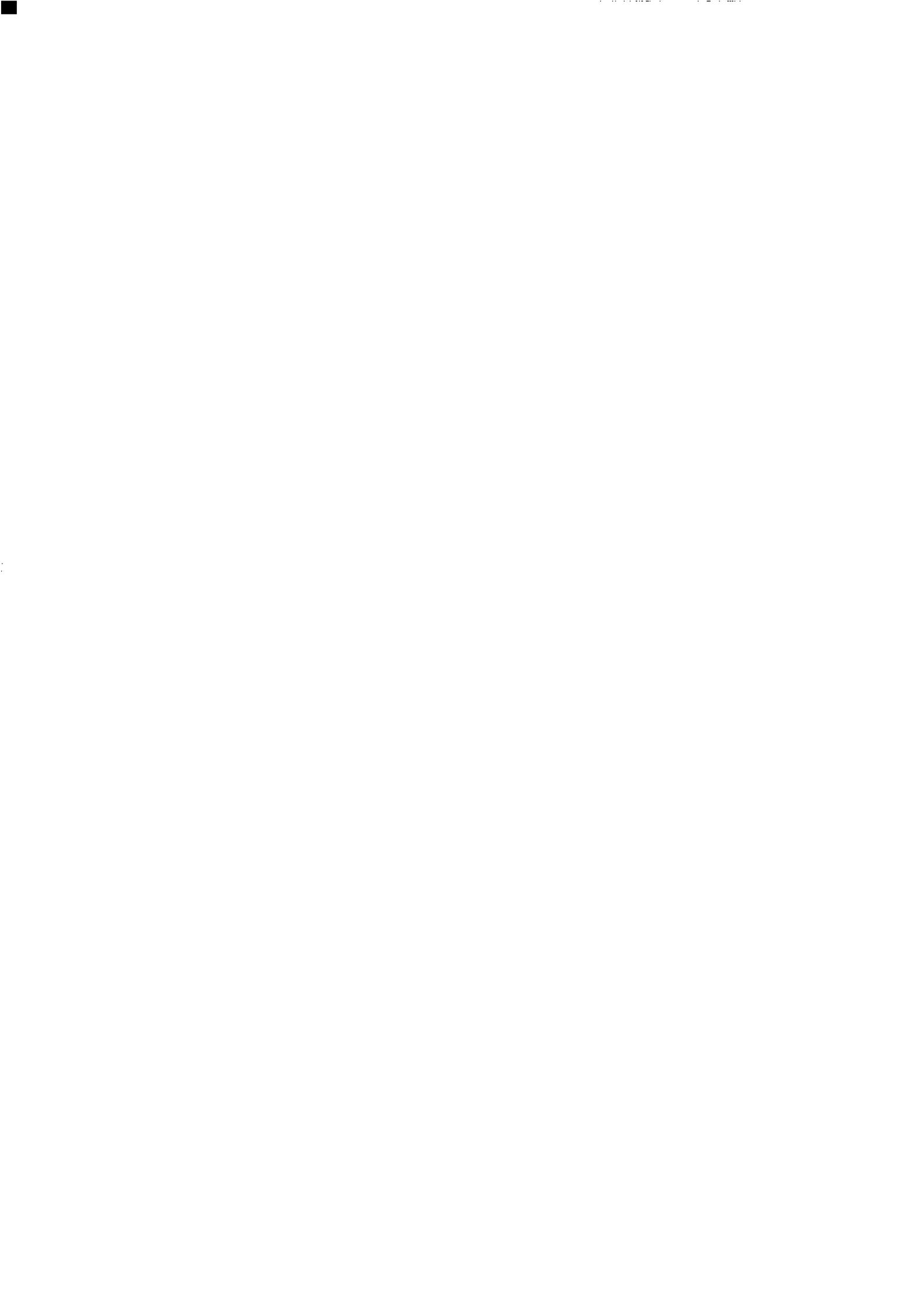
Enterprise group	A unit covering all the operations in Australia of one or more legal entities under common ownership and/or control. It covers all the operations in Australia of legal entities which are related in terms of the current Corporations Law (as amended by the Corporations Legislation Amendment Act 1991). These may be legal entities such as trusts and partnerships as well as companies. Majority ownership is not required for control to be exercised.
Establishment	The establishment is the smallest accounting unit of a business, within a State or Territory, controlling its productive activities and maintaining a specified range of detailed data enabling value added to be calculated. In general, an establishment covers all operations at a physical location, but may consist of a group of locations provided they are within the same State or Territory. The majority of establishments operate at one location only.
Establishments at 30 June	The number of establishments in operation at 30 June in the year of a given reference period.
Establishments that do not export	Establishments that reported no exports (either by their business or for them by an agent) of goods that they produced.
Establishments with exports of more than 50% of sales	Establishments that reported exports (either by their business or for them by an agent) of more than 50% of sales and transfers out of goods that they produced.
Establishments with exports up to and including 50% of sales	Establishments that reported exports (either by their business or for them by an agent) of up to and including 50% of sales and transfers out of goods that they produced.
Exports as a proportion of sales of goods produced (Table 7)	For an individual establishment, this represents the percentage of the total sales and transfers out of goods produced by the establishment (or for it on commission) which are exported (outside Australia) by the business or its agent. In table 7, the ratio is calculated by dividing the total value of goods exported by the total value of sales and transfers out of goods produced by all establishments, not just the aggregated value for those units which exported.
Gross Domestic Product (GDP)	Gross domestic product (also referred to as gross domestic product at market prices) is the total market value of goods and services produced in Australia within a given period after deduction of the cost of goods and services used up in the process of production, but before deducting allowances for the consumption of fixed capital. Thus, gross domestic product, as here defined, is 'at market prices'. It is equivalent to gross national expenditure plus exports of goods and services less imports of goods and services.
Gross product at factor cost	Gross product at factor cost is that part of the cost of producing the gross domestic product which consists of gross payments to factors of production (labour, land, capital and enterprise). It represents the value added by these factors in the process of production and is equivalent to gross domestic product less indirect taxes plus subsidies.
Gross product per person employed	Gross product at factor cost divided by average employment over the whole year.

Income from services	Income received from service activities. This income includes: repair and service income and fees; contract, subcontract and commission income; installation charges; and management fees/charges from related and unrelated businesses. Excluded are interest and royalties received.																		
Industry class	Within ANZSIC, there is a structure comprising four levels ranging from industry division (broadest level) to the industry class (finest level). At the industry class level, the activities are narrowly defined and recognised by a four digit code e.g. industry class 2331 for Pulp, paper and paperboard manufacturing. Usually, an activity is primarily confined to one class. However, some activities may be primary to more than one class.																		
Industry group	This is the intermediate level within the manufacturing industry division of ANZSIC and is recognised by a three digit code e.g. industry group 233 for Paper and paper product manufacturing. It gives more detail than the industry subdivision and is created in a way that groups like industry classes together.																		
Industry subdivision	This is the broadest level category within the manufacturing industry division of ANZSIC and is recognised by a two digit code e.g. industry subdivision 23 for Wood and paper product manufacturing. Industry subdivisions are built up from industry groups which, in turn, are built up from industry classes. The following table gives the manufacturing industry subdivision codes and their descriptions:																		
	<table> <tr><td>21</td><td>Food, beverage and tobacco mfg</td></tr> <tr><td>22</td><td>Textile, clothing, footwear and leather mfg</td></tr> <tr><td>23</td><td>Wood and paper product mfg</td></tr> <tr><td>24</td><td>Printing, publishing and recorded media</td></tr> <tr><td>25</td><td>Petroleum, coal, chemical and associated product mfg</td></tr> <tr><td>26</td><td>Non-metallic mineral product mfg</td></tr> <tr><td>27</td><td>Metal product mfg</td></tr> <tr><td>28</td><td>Machinery and equipment mfg</td></tr> <tr><td>29</td><td>Other manufacturing</td></tr> </table>	21	Food, beverage and tobacco mfg	22	Textile, clothing, footwear and leather mfg	23	Wood and paper product mfg	24	Printing, publishing and recorded media	25	Petroleum, coal, chemical and associated product mfg	26	Non-metallic mineral product mfg	27	Metal product mfg	28	Machinery and equipment mfg	29	Other manufacturing
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Management unit	The management unit is the highest-level unit within a business, having regard to industry homogeneity, for which accounts are maintained; in nearly all cases, it coincides with the legal entity owning the business (that is, company, partnership, trust, sole operator, etc.). In the case of large diversified businesses, however, there may be more than one management unit, each coinciding with a 'division' or 'line of business'. A division or line of business is recognised where separate and comprehensive accounts are compiled for it.																		
Manufacturing establishment	An establishment predominantly engaged in manufacturing activities. The data collected for such establishments cover all activities of the establishment (including non-manufacturing activities). Conversely, there are some establishments predominantly engaged in non-manufacturing activities which also undertake limited manufacturing activities and which are excluded.																		
Motor vehicle running expenses	Comprises costs associated with operating motor vehicles. These costs include: fuel, registration fees and compulsory third party insurance premiums; rent, leasing and hiring expenses; and repair and maintenance expenses. The costs exclude: expenses for off-road motor vehicles (e.g. forklifts, mobile plant, quarry dump trucks); depreciation; finance lease payments; and comprehensive motor vehicle insurance.																		

Net capital expenditure	The value of total capital expenditure less total revenue from the disposal of assets.
Opening stocks	The value of all stocks of finished goods, work-in-progress, raw materials, fuels, containers and packaging as at the beginning of the financial year.
Outward freight and cartage expenses	Costs associated with freight and delivery of goods, excluding the cost of delivery by an establishment's own vehicles and employees.
Own account capital work	The value of work done by the employees or proprietors of an establishment for the business' own use, or for rental or lease. This item includes the value of the cost of the materials and the wages and salaries involved.
Persons employed per establishment	Employment at the last pay period ending in June divided by the number of establishments in operation at 30 June of the same year.
Purchases	Purchases of materials, components, containers, packaging, fuels, electricity and water, and purchases of goods for resale.
Purchases and transfers in	Purchases and transfers in of materials, components, containers, packaging, fuels, electricity and water, and of goods for resale, plus transfers in of goods from other establishments of the same business for further processing, assembly, installation or resale. Transfers in are valued, for statistical purposes, at prices commensurate with the prices which would have been paid if the establishments concerned had been under separate ownership i.e. at commercial selling price.
Rent, leasing and hiring expenses	Includes payments on operating leases, but excludes finance lease payments and expenses associated with motor vehicles.
Rent, leasing and hiring income	Includes royalties from mineral leases and revenue from operating leases, but excludes income from finance leases and payments received under hire purchase arrangements.
Repair and maintenance expenses	Costs associated with repair and maintenance. These costs exclude repair and maintenance of motor vehicles and wages and salaries paid to an establishment's own employees engaged in repair and maintenance activities.
Sales and transfers out of goods produced by the establishment	Includes sales of goods produced by the establishment (or for it on commission), sales or transfers to related businesses, and progress payments billed on engineering and construction projects. Includes transfers out to other establishments of the same business. Transfers out are valued, for statistical purposes, at prices commensurate with the prices which would have been paid if the establishments concerned had been under separate ownership i.e. at commercial selling price.
Sales and transfers out of goods not produced by the establishment	Sales of goods not produced by the establishment, including sales or transfers to related businesses. Includes transfers out to other establishments of the same business. Transfers out are valued, for statistical purposes, at prices commensurate with the prices which would have been paid if the establishments concerned had been under separate ownership i.e. at commercial selling price.

Selected expenses	Includes contract, subcontract and commission expenses (including sales commission payments), repair and maintenance expenses, outward freight and cartage expenses, motor vehicle running expenses, and rent, leasing and hiring expenses.
Service income	Includes income received from service activities. This income includes: repair and service income and fees; contract, subcontract and commission income; installation charges; and management fees/charges from related and unrelated businesses. Excluded are interest and royalties received.
Total government subsidies	Includes revenue received from government bodies in the form of bounties, subsidies and export grants. It also includes payments for Jobstart and subsidies for apprenticeship schemes. Excludes capital grants payments.
Total sales of goods and transfers out	Includes sales of goods produced by the establishment (or for it on commission) and of goods not produced by the establishment, sales or transfers to related businesses, and progress payments billed on engineering and construction projects. Includes transfers out to other establishments of the same business. Transfers out are valued, for statistical purposes, at prices commensurate with the prices which would have been paid if the establishments concerned had been under separate ownership i.e. at commercial selling price.
Turnover	(See Note below). 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 business, plus bounties and subsidies on production, plus all other operating income from outside the establishment (such as commission income, repair and service income, and rent, leasing and hiring income), plus capital work done by an establishment's own employees for the business' own use, or for rental or lease. Receipts from interest, royalties, dividends and the sale of fixed tangible assets are excluded.
	<p>Note: Transfers to other establishments of the same business referred to in the definition of turnover are valued, for statistical purposes, at prices commensurate with the prices which would have been received if the establishments concerned had been under separate ownership, that is, at commercial selling price. A significant proportion of the commodities manufactured by some industries is manufactured on commission for non-manufacturing businesses from materials owned and supplied by those businesses. As a consequence, the turnover figures do not reflect the gross value of those commodities but only the commission earned relating to them.</p>
Turnover per person employed (based on average employment)	Turnover of manufacturing establishments which operated during the year ended 30 June divided by the average number of persons employed over the whole year.
Turnover per person employed (based on end of June employment)	Turnover of manufacturing establishments which operated during the year ended 30 June divided by employment at the end of June in the same year.

Value added	(See Note below). Turnover, plus the increase (or less the decrease) in the value of stocks, less purchases, transfers in and selected expenses.
	Note: While value added is the basic measure of an industry's contribution to total production, it cannot be inferred that when wages and salaries are deducted from value added the whole of the surplus is available for profit. There are many miscellaneous expenses (such as depreciation, workers' compensation insurance, other insurance, payroll tax, income tax, rates, advertising, interest on borrowed funds, bad debts and other sundry charges) which are not taken into account when arriving at value added. Value added as calculated in this publication differs from the concept used in National Accounts, where the concept of value added also excludes some administrative expenses and sundry charges, and the change in stocks component which is measured by valuing the physical changes in stocks at average annual current prices. It is not practicable in the annual manufacturing collection to collect data fully in accord with the National Accounts concept of value added.
Value added per person employed (based on average employment)	Value added of manufacturing establishments which operated during the year ended 30 June divided by the average number of persons employed over the whole year.
Value added to turnover ratio	Value added of manufacturing establishments which operated during the year ended 30 June as a proportion of the turnover of manufacturing establishments which operated during the same year.
Wages and salaries	The gross wages and salaries of all employees of the establishment. The drawings of working proprietors are excluded.
Wages and salaries per employee (based on average employees)	The wages and salaries paid by manufacturing establishments which operated during the year ended 30 June divided by the average number of employees over the whole year.
Wages and salaries to value added ratio	The wages and salaries paid by manufacturing establishments which operated during the year ended 30 June as a proportion of the value added of manufacturing establishments which operated during the same year.



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