



1992-93

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Manufacturing Industry

Queensland



**MANUFACTURING INDUSTRY
QUEENSLAND
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for further information about statistics in this publication and the availability of related unpublished statistics, contact John Ridley on Sydney (02) 9268 4541 or any other ABS office.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 Queensland 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 Queensland for 1992–93, where establishment value added amounted to \$8.1 billion while establishment industry gross product amounted to \$6.3 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 Queensland manufacturing is approximately 4% for 1992-93 turnover and 7% 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
QUEENSLAND, 1989-90 TO 1992-93 (b)**

<i>Industry subdivision</i>		<i>Establishments at 30 June (c) (No.)</i>	<i>Employment at end of June (d) ('000)</i>	<i>Wages and salaries (e)(f) (\$m)</i>	<i>Turnover (g) (\$m)</i>	<i>Persons employed per establishment (No.)</i>	<i>Turnover per person employed (f)(g) (\$'000)</i>	
<i>ANZSIC code</i>	<i>Description</i>							
21	Food, beverage and tobacco mfg	1992-93	570	33.4	939.3	7,521.8	59	
		1991-92 r	634	31.8	832.7	6,840.3	50	
		1990-91	651	33.4	871.3	6,950.0	51	
		1989-90	622	34.7	814.0	6,890.8	56	
22	Textile, clothing, footwear and leather mfg	1992-93	448	5.9	127.0	555.0	13	
		1991-92	416	6.0	123.0	520.7	14	
		1990-91	428	6.4	127.6	548.4	15	
		1989-90	409	6.5	120.5	507.7	16	
23	Wood and paper product mfg	1992-93	671	10.1	267.2	1,489.0	15	
		1991-92	689	10.2	253.3	1,454.7	15	
		1990-91	692	10.0	237.6	1,316.2	14	
		1989-90	790	10.6	236.7	1,283.3	13	
24	Printing, publishing and recorded media	1992-93	535	10.1	295.6	1,122.4	19	
		1991-92	611	10.0	253.3	969.7	16	
		1990-91	554	10.7	279.5	1,069.3	19	
		1989-90	561	10.9	271.4	975.9	19	
25	Petroleum, coal, chemical and associated product mfg	1992-93	364	7.8	244.8	3,330.4	21	
		1991-92 r	382	7.6	242.2	3,393.1	20	
		1990-91	362	8.3	262.0	3,572.1	23	
		1989-90	361	7.9	224.1	3,127.9	22	
26	Non-metallic mineral product mfg	1992-93	289	7.8	233.8	1,676.4	27	
		1991-92	317	7.5	212.8	1,617.2	24	
		1990-91	289	7.3	202.8	1,464.3	25	
		1989-90	349	7.1	189.0	1,446.3	20	
27	Metal product mfg	1992-93	1,157	22.0	636.5	5,320.6	19	
		1991-92	1,119	21.8	627.1	4,840.0	19	
		1990-91	1,114	22.4	614.6	5,112.2	20	
		1989-90	1,102	21.5	565.2	5,119.4	19	
28	Machinery and equipment mfg	1992-93	1,102	19.4	533.6	2,287.6	18	
		1991-92	1,118	16.6	432.1	2,234.4	15	
		1990-91	1,072	17.1	441.4	2,260.1	16	
		1989-90	1,059	21.2	522.4	2,681.9	20	
29	Other manufacturing	1992-93	1,051	9.6	197.6	840.1	9	
		1991-92	1,029	8.8	180.1	744.4	9	
		1990-91	945	8.5	166.6	669.9	9	
		1989-90	946	10.0	192.9	839.5	11	
21-29 Total manufacturing		1992-93	6,187	126.0	3,475.2	24,143.2	20	
		1991-92 r	6,315	120.2	3,156.6	22,614.4	19	
		1990-91	6,108	123.9	3,203.3	22,962.6	20	
		1989-90	6,199	130.4	3,136.1	22,872.6	21	
(a) See paragraph 8 of the Explanatory Notes. (b) For comparability of data over the time periods shown, see paragraphs 15 and 16 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, QUEENSLAND, 1992-93

Industry class ANZSIC code	Description	Turnover						Purchases and transfers in (\$m)	Selected expenses (\$m)	Opening stocks (\$m)	Closing stocks (\$m)	Value added (\$m)	Net capital expenditure (\$m)
		Establishments at 30 June (b) (No.)	Employment at end of June (c) (No.)	Wages and salaries (d) (\$m)	Total sales of goods and transfers out of turnover (\$m)	Balance of turnover (\$m)	Total turnover (\$m)						
FOOD, BEVERAGE AND TOBACCO MFG—													
2111	Meat and meat product mfg	58	9,382	261.5	2,218.2	43.7	2,261.9	1,648.6	86.2	69.7	78.6	535.9	42.8
2112	Poultry processing	10	1,507	37.6	242.7	1.6	244.3	189.2	10.4	10.1	8.9	43.5	4.6
2113	Bacon, ham and smallgood mfg	19	1,419	41.8	268.4	0.1	268.5	162.1	11.6	15.1	14.6	94.3	1.1
211	<i>Total</i>	87	12,307	341.0	2,729.4	45.4	2,774.8	1,999.9	102.0	94.9	102.0	673.7	48.5
2121	Dairy product mfg—	11	1,598	51.5	531.4	2.7	534.1	364.6	27.9	23.6	28.9	146.9	13.7
2122	Milk and cream processing	11	391	13.9	108.9	1.1	109.0	55.9	5.1	3.6	3.7	48.2	4.2
2129	Ice cream mfg	7	221	5.6	79.8	0.2	80.0	70.2	1.9	2.0	4.5	10.5	0.5
212	<i>Total</i>	29	2,211	76.9	720.2	2.9	723.4	490.7	34.9	29.1	37.2	295.6	18.4
213	Fruit and vegetable processing	27	1,898	47.7	273.0	15.3	288.3	188.0	13.7	13.5	17.5	110.6	1.8
214	<i>Oil and fat mfg</i>	6	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2151	Flour mill and cereal food mfg	8	538	16.3	198.6	5.0	203.6	139.5	14.2	20.4	17.8	47.4	2.9
2152	Flour mill product mfg	14	495	10.7	67.0	1.2	68.1	34.2	10.3	5.9	7.4	28.2	2.3
215	Cereal food and baking mix mfg	22	1,033	27.0	265.6	6.2	271.7	170.7	24.5	26.3	25.2	75.5	5.2
2161	Bakery product mfg	90	2,620	53.8	245.9	0.8	246.7	117.3	29.8	3.7	3.8	99.6	4.9
2162	Bread mfg	102	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2163	Cake and pastry mfg	7	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
216	Biscuit mfg	199	5,273	106.6	470.3	2.0	472.3	272.0	41.7	20.4	220.6	135.5	—
2171	Other food mfg—	22	4,995	171.8	1,370.4	54.6	1,425.0	870.6	101.2	48.6	42.3	446.9	66.4
2172	Sugar mfg	19	178	2.3	8.6	0.7	9.3	3.2	1.2	2.2	1.9	4.6	0.7
2173	Confectionery mfg	15	433	7.4	66.4	1.4	67.7	48.8	2.8	5.2	5.6	16.5	0.8
2174	Seafood processing	41	769	24.5	366.8	0.9	367.7	279.4	26.9	21.2	21.3	61.4	5.0
2179	Prepared animal and bird feed mfg	66	1,647	41.5	270.7	1.0	271.7	143.2	14.7	21.3	26.3	118.8	11.7
217	<i>Total</i>	162	8,022	247.2	2,083.0	58.5	2,141.5	1,345.2	146.9	98.6	97.4	648.2	84.6

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, QUEENSLAND, 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 (\$m)		Final sales of goods and transfers out (\$m)		Purchases and transfers in (\$m)			
2181	Beverage and malt mfg.	28	1,249	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2182	Soft drink, cordial and syrup mfg	4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2183	Beer and malt mfg	4	13	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2184	Wine mfg	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2185	Spirit mfg	37	2,172	86.4	734.8	7.8	742.6	411.5	52.4	41.3	55.2	292.6	
2186	Total											113.0	
219	Tobacco product mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
21	Total food, beverage and tobacco mfg	570	33,175	939.3	7,369.0	152.9	7,521.8	4,886.1	418.6	381.9	423.5	2,258.7	
22	TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG.											309.5	
2211	Textile fibre, yarn and woven fabric mfg—	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2212	Wool scouring	4	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2213	Synthetic fibre textile mfg	5	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2214	Cotton textile mfg	6	24	0.4	1.6	0.1	1.7	0.6	0.2	—	—	—	
2215	Wool textile mfg	4	16	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2216	Textile finishing	14	299	6.9	43.3	1.4	44.7	21.6	3.3	6.5	5.5	18.7	
2217	Total											0.7	
2221	Textile product mfg—	72	561	10.1	38.8	2.4	41.2	9.7	3.5	3.6	3.7	18.1	
2222	Made-up textile product mfg	9	222	5.9	46.2	0.6	46.8	27.9	3.3	8.7	9.7	2.6	
2223	Textile floor covering mfg	6	24	0.4	1.6	0.1	1.7	0.6	0.2	0.1	1.0	0.4	
2224	Rope, cordage and twine mfg	9	85	2.8	11.7	0.1	11.8	6.0	1.3	1.4	4.7	0.4	
2225	Textile product mfg n.e.c.	96	897	19.3	98.3	3.2	101.6	54.2	8.3	13.4	40.4	2.6	
2226	Total											—	
2231	Knitting mills	1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2232	Hosiery mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	
2233	Cardigan and pullover mfg	13	148	4.2	24.9	0.2	25.1	11.2	1.5	5.2	3.4	10.6	
2234	Knitting mill product mfg n.e.c.	16	170	4.6	26.1	0.2	26.3	11.6	1.6	5.5	3.8	10.7	
2241	Clothing mfg—	85	1,551	32.8	62.0	3.2	95.2	31.9	11.6	19.3	19.7	52.1	
2242	Men's and boys' wear mfg	91	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	1.8	
2243	Women's and girls' wear mfg	10	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.7	
2244	Sleepwear, underwear and infant clothing mfg	93	1,038	21.1	76.1	7.0	83.1	30.3	15.1	16.5	40.7	1.4	
2245	Clothing mfg n.e.c.	279	3,774	78.2	247.2	10.7	251.9	89.5	13.7	53.2	133.1	5.6	
2246	Total											—	

For footnotes see end of table.

TABLE 2. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY INDUSTRY CLASS, QUEENSLAND, 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)	Total sales of goods and transfers out (\$m)	Balance of turnover (\$m)	Purchases and transfers in (\$m)	
225	<i>Footwear mfg</i>	14	170	4.9	14.8	—	14.8	—
	Leather and leather product mfg	9	458	12.2	101.8	6.9	108.7	7.7
2261	Leather tanning and fur dressing	20	110	1.9	7.0	0.1	7.1	3.3
2262	Leather and leather substitute product mfg	29	568	14.0	108.8	7.1	115.8	81.0
226	<i>Total</i>	156	2,653	64.0	312.7	5.1	317.8	132.5
22	<i>Total textile, clothing, footwear and leather mfg</i>	448	5,863	127.0	532.5	22.4	555.0	265.7
	WOOD AND PAPER PRODUCT MFG							
2311	Log sawmilling and timber dressing—	156	2,653	64.0	312.7	5.1	317.8	132.5
2312	Log sawmilling	20	361	8.1	36.7	1.0	37.7	3.5
2313	Wood chipping	3,053	72.1	349.3	6.1	355.5	150.6	40.0
231	<i>Total</i>	175	3,414	91.2	380.5	11.2	387.4	173.1
	Other wood product mfg	6	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2321	Plywood and veneer mfg	11	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2322	Fabricated wood mfg	308	3,486	74.5	370.1	21.6	391.7	213.1
2323	Wooden structural component mfg	139	676	12.0	54.1	4.1	58.1	29.2
2329	Wood product mfg n.e.c.	464	5,060	121.9	576.9	26.8	603.7	331.4
232	<i>Total</i>	1,039	10,392	267.2	1,446.5	42.5	1,489.0	1,309.9
	Paper and paper product mfg	9	573	0.9	n.p.	n.p.	n.p.	n.p.
2331	Pulp, paper and paperboard mfg	3	29	0.8	3.2	1.1	0.9	0.2
2332	Solid paperboard container mfg	7	943	n.p.	n.p.	n.p.	n.p.	1.2
2333	Corrugated paperboard container mfg	4	106	2.6	18.5	18.5	10.7	n.p.
2334	Paper bag and sack mfg	9	375	n.p.	n.p.	n.p.	1.4	0.1
2339	Paper product mfg n.e.c.	32	2,026	73.1	320.3	9.6	348.9	248.9
233	<i>Total</i>	10,139	10,139	2,026	1,446.5	42.5	1,489.0	1,309.9
23	<i>Total wood and paper product mfg</i>	671	10,139	2,026	1,446.5	42.5	1,489.0	1,309.9
	PRINTING, PUBLISHING AND RECORDED MEDIA—							
2411	Printing and services to printing—	27	484	13.1	61.5	0.9	62.4	35.9
2412	Paper stationery mfg	251	3,765	107.6	3,890	5.1	3,941	175.0
2413	Printing	72	n.p.	n.p.	n.p.	n.p.	n.p.	23.7
241	Services to printing	350	n.p.	n.p.	n.p.	n.p.	n.p.	182.3
	<i>Total</i>	350	n.p.	n.p.	n.p.	n.p.	n.p.	151.1

For footnotes see end of table.

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

Industry class ANZSIC code	Description	Turnover						Net capital expenditure (\$m)
		Establishments at 30 June (No.)	Employment at end of June (No.)	Wages and salaries (\$m)	Total sales of goods and transfers out of turnover (\$m)	Total transfers in (\$m)	Purchases and transfers in (\$m)	
2421	Newspaper printing or publishing	94	4,695	1,17,0	215,1	358,4	573,4	137,9
2422	Other periodical publishing	53	406	9,1	31,9	2,7	34,5	12,3
2423	Book and other publishing	36	276	7,4	25,9	0,6	26,5	12,3
242	<i>Total</i>	1,83	5,377	163,1	272,8	361,6	634,4	162,5
243	Recorded media manufacturing and publishing	2	n.p.	n.p.	n.p.	n.p.	n.p.	26,4
24	<i>Total printing, publishing and recorded media</i>	535	10,112	295,6	751,7	370,6	1,122,4	360,8
PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG ...								
251	Petroleum refining	6	392	n.p.	n.p.	n.p.	n.p.	n.p.
252	Petroleum and coal product mfg n.e.c.	4	27	1,2	7,2	6,1	7,3	4,4
2531	Basic chemical mfg—	14	439	n.p.	n.p.	n.p.	n.p.	n.p.
2532	Fertiliser mfg	3	385	n.p.	n.p.	n.p.	n.p.	n.p.
2533	Industrial gas mfg	14	352	10,1	68,8	0,1	68,9	40,3
2534	Synthetic resin mfg	5	106	2,7	40,7	0,2	40,9	22,8
2535	Organic industrial chemical mfg n.e.c.	20	531	16,6	143,2	0,2	143,4	95,0
253	Inorganic industrial chemical mfg n.e.c.	56	1,813	57,1	461,9	28,4	497,3	278,0
	<i>Total</i>							
2541	Other chemical product mfg—	5	265	12,0	158,5	0,1	158,6	67,8
2542	Explosive mfg	16	835	29,0	212,8	100,5	7,8	8,3
2543	Paint mfg	13	441	11,3	87,1	0,3	87,4	46,1
2544	Medicinal and pharmaceutical product mfg	5	n.p.	n.p.	n.p.	n.p.	n.p.	3,9
2545	Pesticide mfg	18	159	4,2	32,6	0,5	33,1	13,1
2546	Soap and other detergent mfg	10	n.p.	1,7	9,9	0,3	10,2	5,6
2547	Cosmetic and toiletry preparation mfg	5	n.p.	n.p.	n.p.	n.p.	n.p.	0,9
2548	Ink mfg	16	77	1,8	14,8	0,2	15,0	7,6
2549	Chemical product mfg n.e.c.	88	1,959	64,4	606,5	1,5	608,0	370,9
254	<i>Total</i>							
2551	Rubber product mfg	7	102	2,4	18,2	18,2	10,8	1,5
2559	Rubber tyre mfg	25	401	10,8	61,6	1,0	62,7	1,2
255	<i>Total</i>	32	503	13,2	79,8	1,0	80,9	5,5

For footnotes see end of table.

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

Industry class ANZSIC code	Establishments at 30 June (No.)	Employment at end of June (No.)	Wages and salaries (\$m)	Total sales of transfers out (\$m)	Balance of transfers out (\$m)	Turnover		Purchases and transfers in (\$m)	Selected expenses (\$m)	Opening stocks (\$m)	Closing stocks (\$m)	Value added (\$m)	Capital expenditure (\$m)	
						Total sales of goods and turnover (\$m)	Total transfers in (\$m)							
Plastic product mfg—														
2561	Plastic blow moulded product mfg	13	n.p.	129.6	0.1	129.7	60.8	10.9	n.p.	n.p.	n.p.	n.p.	15.0	13.7
2562	Plastic extruded product mfg	523	18.7	54.9	0.8	55.8	29.1	3.5	5.3	5.7	23.6	5.3	11.1	3.8
2563	Plastic bag and film mfg	457	9.7	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.0	0.0
2564	Plastic product, rigid fibre reinforced, mfg	19	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	1.2	0.8
2565	Plastic foam product mfg	14	28.7	7.1	53.7	0.3	54.0	31.4	3.8	3.6	5.1	20.4	1.2	1.2
2566	Plastic injection moulded product mfg	100	1,028	24.1	144.2	5.7	149.9	77.8	13.0	12.5	14.6	61.3	4.1	4.1
256	<i>Total</i>	178	2,871	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
25	<i>Total petroleum, coal, chemical and associated product mfg</i>	364	7,766	244.8	3,291.1	39.3	3,330.4	2,337.5	146.3	246.3	217.2	317.5	216.6	3.9
NON-METALLIC MINERAL PRODUCT MFG—														
<i>Glass and glass product mfg</i>														
261	<i>Ceramic mfg</i>	32	895	25.1	150.3	9.4	150.6	82.2	8.7	18.8	19.8	60.7	31.7	16.4
2621	Clay brick mfg	15	992	27.8	151.0	0.2	151.2	40.7	25.6	24.7	23.3	83.6	4.6	0.4
2622	Ceramic product mfg	4	82	2.1	11.9	0.5	12.3	6.3	0.8	2.8	4.6	7.0	7.0	2.5
2623	Ceramic tile and pipe mfg	5	108	2.2	9.9	0.1	10.0	2.2	0.6	1.7	1.9	7.3	1.4	1.4
2629	Ceramic product mfg n.e.c.	35	258	3.6	9.6	0.4	10.1	3.0	1.3	0.7	0.9	6.0	3.9	2.5
262	<i>Total</i>	39	1,440	35.7	1,82.4	7.2	1,83.6	52.1	28.3	30.0	30.7	103.9	20.7	20.7
<i>Cement, lime, plaster and concrete product mfg—</i>														
2631	Cement and lime mfg	5	n.p.	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	14	578	21.7	176.7	4.5	181.2	91.2	9.0	6.4	9.0	83.6	7.2	7.2
2633	Concrete slurry mfg	40	1,137	36.6	408.8	1.4	410.2	264.5	68.6	5.9	6.6	77.8	17.3	17.3
2634	Concrete pipe and box culvert mfg	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.
2635	Concrete product mfg n.e.c.	92	2,299	69.7	400.0	3.1	403.1	156.0	59.7	38.4	40.9	189.9	16.7	16.7
263	<i>Total</i>	159	5,128	162.4	1,281.8	9.4	1,291.1	622.8	178.7	81.0	89.2	478.0	44.7	44.7
264	<i>Non-metallic mineral product mfg n.e.c.</i>	40	416	10.3	48.9	2.0	50.9	18.4	10.1	2.6	3.6	23.3	2.4	2.4
26	<i>Total non-metallic mineral product mfg</i>	289	7,779	233.8	1,663.4	13.0	1,676.4	795.6	225.8	132.4	143.2	665.8	71.6	71.6
METAL PRODUCT MFG														
2711	Iron and steel mfg	47	1,266	37.5	405.5	4.0	409.6	294.2	29.2	45.4	37.7	78.5	14.6	14.6
2712	Basic iron and steel casting and forging	22	1,334	39.8	159.4	3.2	162.5	82.9	12.7	22.1	21.7	66.5	4.2	4.2
2713	Steel pipe and tube mfg	13	473	15.7	169.6	0.3	169.9	118.5	17.9	21.4	23.5	35.6	7.5	7.5
271	<i>Total</i>	3,073	93.1	734.5	7.5	741.9	495.6	59.7	88.9	82.8	103.9	103.9	26.3	26.3

For footnotes see end of table.

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

Industry class	ANZSIC code	Description	<i>Turnover</i>					<i>Purchases and transfers in</i>					<i>Value added</i>			Net capital expenditure (\$m)	
			<i>Establishments at end of June</i>		Wages and salaries (\$m)	<i>Total sales of goods and transfers out</i>		<i>Ideal transfers (\$m)</i>	<i>Purchased and transferred</i>		<i>Operating stocks</i>		<i>Closing stocks</i>				
			<i>(a)</i>	<i>(b)</i>		<i>(c)</i>	<i>(d)</i>		<i>(f)</i>	<i>(g)</i>	<i>(h)</i>	<i>(i)</i>	<i>(j)</i>	<i>(k)</i>			
Basic non-ferrous metal mfg -																	
2721	A alumina production	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.
2722	Aluminium smelting	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.
2723	Copper, silver, lead and zinc smelting, refining	6	1,022	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.
2729	Basic non-ferrous metal mfg n.e.c.	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.
<i>Total</i>		<i>19</i>	<i>4,002</i>	<i>1,527</i>	<i>2,425</i>	<i>1,527</i>	<i>2,425</i>	<i>1,527</i>	<i>2,477.6</i>	<i>1,680.5</i>	<i>1,680.5</i>	<i>1,680.5</i>	<i>387.0</i>	<i>387.0</i>	<i>545.5</i>	<i>545.5</i>	<i>83.0</i>
Non-ferrous basic metal product mfg -																	
2731	Aluminium rolling, drawing, extruding	9	675	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.
2732	Non-ferrous metal rolling, drawing, extruding n.e.c.	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.
2733	Non-ferrous metal casting	9	796	2.7	8.9	6.1	8.9	6.1	128.8	70.9	5.7	0.5	0.8	0.8	4.9	0.3	0.3
<i>Total</i>		<i>20</i>	<i>796</i>	<i>22.9</i>	<i>796</i>	<i>796</i>	<i>796</i>	<i>796</i>	<i>70.9</i>	<i>70.9</i>	<i>5.7</i>	<i>0.5</i>	<i>10.3</i>	<i>12.8</i>	<i>55.2</i>	<i>55.2</i>	<i>7.8</i>
Structural metal product mfg -																	
2741	Structural steel fabricating	204	2,491	65.9	397.7	17.1	414.8	223.6	36.4	282.2	32.1	158.7	3.5				
2742	Architectural aluminium product mfg	180	1,434	81.4	421.2	6.9	428.1	258.2	33.0	33.7	38.6	141.8	3.4				
2749	Structural metal product mfg n.e.c.	88	968	25.2	122.8	3.5	126.3	59.9	11.2	11.2	10.8	54.8	1.7				
<i>Total</i>		<i>472</i>	<i>6,892</i>	<i>1,724</i>	<i>941.7</i>	<i>27.5</i>	<i>969.7</i>	<i>541.6</i>	<i>86.6</i>	<i>86.6</i>	<i>87.5</i>	<i>87.5</i>	<i>355.3</i>	<i>355.3</i>	<i>8.6</i>	<i>8.6</i>	<i>8.6</i>
Sheet metal product mfg -																	
2751	Metal container mfg	14	793	28.1	242.6	1.1	243.8	148.4	11.9	21.8	23.5	85.3	23.9				
2759	Sheet metal product mfg n.e.c.	131	1,739	43.7	168.6	5.9	174.5	86.6	11.1	11.4	12.8	78.2	5.8				
<i>Total</i>		<i>145</i>	<i>2,532</i>	<i>77.8</i>	<i>411.2</i>	<i>7.7</i>	<i>418.3</i>	<i>235.9</i>	<i>23.0</i>	<i>23.0</i>	<i>33.7</i>	<i>36.3</i>	<i>163.5</i>	<i>163.5</i>	<i>29.7</i>	<i>29.7</i>	<i>29.7</i>
Fabricated metal product mfg -																	
2761	Hand tool and general hardware mfg	19	129	3.4	13.8	0.3	14.0	6.7	0.7	1.4	6.7	6.7	0.1				
2762	Spring and wire product mfg	55	881	22.8	181.8	9.0	190.8	125.6	13.3	14.6	17.2	54.6	1.7				
2763	Nut, bolt, screw and rivet mfg	9	104	2.4	7.6	0.1	7.6	3.6	0.5	0.5	0.5	3.6					
2764	Metal coating and finishing	63	576	14.8	39.9	1.0	52.9	18.6	7.2	2.7	4.0	28.4	2.0				
2765	Non-ferrous pipe fitting mfg	7	247	6.5	30.0	0.1	30.0	14.2	2.0	4.9	5.2	14.1	0.2				
2769	Fabricated metal product mfg n.e.c.	267	2,783	69.3	250.2	39.1	289.3	135.4	23.8	30.9	29.3	128.5	4.0				
<i>Total</i>		<i>420</i>	<i>4,720</i>	<i>119.1</i>	<i>523.3</i>	<i>67.5</i>	<i>584.8</i>	<i>304.7</i>	<i>47.5</i>	<i>55.2</i>	<i>57.8</i>	<i>245.9</i>	<i>245.9</i>	<i>8.0</i>	<i>8.0</i>	<i>8.0</i>	<i>8.0</i>
<i>Total metal product mfg</i>		<i>1,157</i>	<i>22,015</i>	<i>636.5</i>	<i>1,644.5</i>	<i>156.1</i>	<i>5,320.6</i>	<i>3,327.7</i>	<i>310.1</i>	<i>647.7</i>	<i>571.3</i>	<i>5,325.5</i>	<i>5,325.5</i>	<i>162.4</i>	<i>162.4</i>	<i>162.4</i>	<i>162.4</i>

For footnotes see end of table.

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

Industry class ANZSIC code	Description	Turnover			Profitability			Net capital expenditure (\$m)		
		Establishments at 30 June (No.)	Employment at end of June (C) (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)
MANUFACTURING EQUIPMENT MFG.—										
2811	Motor vehicle and part mfg	16	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2812	Motor vehicle body mfg	72	1,108	27.1	106.6	11.8	118.4	69.5	15.5	45.0
2813	Automotive electrical and instrument mfg	6	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	2.1
2819	Automotive component mfg n.e.c.	138	1,685	35.5	119.8	13.0	132.8	52.4	14.5	n.p.
<i>Total</i>		232	3,872	99.7	522.7	33.9	556.6	330.3	146.7	163.2
										165.7
Other transport equipment mfg										
2821	Shipbuilding	21	406	12.8	27.2	9.6	36.8	17.6	7.3	0.9
2822	Boatbuilding	118	1,124	28.4	85.7	72.7	158.4	86.8	22.3	12.1
2823	Railway equipment mfg	11	2,954	89.6	90.5	124.3	214.8	84.8	4.5	0.6
2824	Aircraft mfg	56	557	14.8	18.1	29.8	47.9	17.9	4.2	1.7
2829	Transport equipment mfg n.e.c.	12	57	1.3	4.7	0.3	4.9	2.4	0.3	3.4
<i>Total</i>		217	5,097	147.0	226.2	33.6	462.8	209.5	38.7	51.1
										224.8
Photographic and scientific equipment mfg—										
2831	Photographic and optical good mfg	10	124	2.9	11.2	—	11.3	4.2	0.8	0.1
2832	Medical and surgical equipment mfg	81	531	13.5	34.5	4.5	39.0	11.4	7.1	1.6
2839	Professional and scientific equipment mfg n.e.c.	18	125	3.1	11.2	1.3	12.5	4.9	1.3	0.2
<i>Total</i>		100	787	195	78.7	5.9	62.8	20.5	5.7	11.8
										39.2
Electronic equipment mfg										
2841	Computer and business machine mfg	219	740	25.4	3.4	28.8	14.1	2.0	4.0	5.4
2842	Telecommunication, broadcasting and transceiving equipment mfg	15	233	6.0	34.9	1.5	36.4	21.0	1.7	4.7
2849	Electronic equipment mfg n.e.c.	25	340	8.7	29.7	5.4	35.0	17.1	3.0	2.9
<i>Total</i>		53	792	217	90.0	10.3	100.3	52.2	6.7	11.5
										43.7
Electrical equipment and appliance mfg—										
2851	Household appliance mfg	43	856	20.6	143.2	1.8	145.0	88.9	8.2	12.7
2852	Electric cable and wire mfg	2	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	4.0
2853	Battery mfg	3	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2854	Electric light and sign mfg	40	422	11.0	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2859	Electrical equipment mfg n.e.c.	57	1,300	37.2	107.9	26.2	134.1	65.9	6.9	22.0
<i>Total</i>		146	2,914	80.1	387.3	37.9	419.2	209.0	21.7	53.9
										56.7
										8.8

For footnotes see end of table.

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

Industry class ANZSIC code	Description	Turnover									Opening stocks (\$m)	Closing stocks (\$m)	Value added (\$m)	Net capital expenditure (\$m)					
		Establishments at 30 June (b) (No.)			Wages and salaries (c) (\$m)			Balance of inventories and stocks out of factory (\$m)											
								Purchases and transfers in (\$m)											
Industrial machinery and equipment mfg																			
2861	Agricultural machinery mfg	90	2,204	50.8	218.4	2.9	221.2	113.2	12.7	38.7	48.1	104.7	2.4						
2862	Mining and construction machinery mfg	31	858	29.3	70.4	26.7	97.1	46.2	6.2	15.5	16.0	45.2	1.0						
2863	Food processing machinery mfg	14	323	12.0	35.9	0.3	36.2	16.4	0.6	1.9	3.7	21.1	0.5						
2864	Machine tool and part mfg	50	432	10.0	43.6	2.4	46.0	21.0	3.3	2.5	2.8	22.0	1.0						
2865	Lifting and material handling equipment mfg	50	828	28.4	101.1	41.3	142.4	70.7	6.7	9.2	8.5	64.2	1.2						
2866	Pump and compressor mfg	11	92	2.1	14.2	0.1	14.3	7.5	0.5	3.3	3.5	6.5	0.1						
2867	Commercial space heating and cooling equipment mfg	7	54	1.6	6.7	0.6	7.3	2.2	0.4	0.6	0.5	4.6	0.1						
2869	Industrial machinery and equipment mfg n.e.c.	94	1,139	31.5	106.9	14.4	121.4	56.7	9.9	9.7	9.4	54.6	2.4						
286	<i>Total</i>	346	5,931	165.7	597.2	88.6	685.8	313.8	40.3	87.3	97.5	322.9	8.7						
28	<i>Total machinery and equipment mfg</i>	1,102	19,387	533.6	1,874.2	413.4	2,287.6	1,155.3	110.1	317.8	303.3	987.7	36.5						
OTHER MANUFACTURING																			
Prefabricated building mfg																			
2911	Prefabricated metal building mfg	39	505	11.3	81.9	4.0	85.9	50.5	13.3	3.8	4.6	22.9	0.3						
2919	Prefabricated building mfg n.e.c.	10	111	2.4	14.8	0.1	14.9	8.4	1.1	0.7	1.0	5.8	0.6						
291	<i>Total</i>	48	616	13.7	96.7	4.1	100.8	58.9	14.4	4.5	4.5	28.7	0.9						
Furniture mfg																			
2921	Wooden furniture and upholstered seat mfg	581	4,751	95.2	246.8	23.0	369.7	178.6	33.7	29.6	30.0	157.9	2.8						
2922	Sheet metal furniture mfg	18	163	3.6	14.0	0.6	14.5	8.3	0.7	1.1	1.6	5.9	0.1						
2923	Mattress mfg (except rubber)	13	495	12.2	60.3	0.2	60.5	34.4	3.2	6.0	6.3	23.2	1.1						
2929	Furniture mfg n.e.c.	96	1,010	22.8	81.8	3.3	85.1	38.3	7.2	7.8	7.6	39.4	2.1						
292	<i>Total</i>	707	6,419	133.8	502.8	27.1	539.9	259.6	44.7	44.6	44.6	226.4	6.1						
Miscellaneous manufacturing																			
2941	Jewellery and silverware mfg	47	197	3.8	15.5	1.7	9.4	1.5	3.5	4.0	6.7	0.8							
2942	Toy and sporting good mfg	40	849	16.0	65.3	6.5	65.4	22.5	1.1	6.1	9.0	44.7	0.2						
2949	Manufacturing n.e.c.	208	1,471	30.2	118.1	8.1	126.9	54.7	15.1	8.7	9.9	58.3	3.1						
294	<i>Total</i>	295	2,517	50.0	198.9	10.1	209.7	86.6	17.7	18.3	22.9	109.7	2.5						
29	<i>Total other manufacturing</i>	1,051	9,552	197.6	798.4	41.7	846.1	495.1	76.8	67.4	73.9	364.8	9.5						
21 29	TOTAL MANUFACTURING		6,187	125,987	3,475.2	22,891.3	1,252.0	24,143.2	14,284.6	1,673.6	2,072.7	2,026.2	8,138.5	911.9					

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

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

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 (c)(d) (\$'000)		Wages and salaries per employee (d)(e) (\$'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
FOOD, BEVERAGE AND TOBACCO MFG.—													
2111	Meat and meat product mfg.—	131	162	219.7	254.8	63.1	60.4	24.6	29.7	0.29	0.24	0.39	0.49
2112	Meat processing	148	151	151.5	159.0	49.1	28.3	19.7	24.7	0.32	0.18	0.40	0.81
2113	Poultry processing	68	75	141.4	186.6	42.4	65.6	20.0	29.1	0.30	0.35	0.47	0.44
211	<i>Total</i>	178	141	202.2	234.1	59.0	56.8	23.5	29.0	0.29	0.24	0.40	0.51
2121	Dairy product mfg.—	124	145	261.0	319.6	85.2	87.9	24.4	30.8	0.33	0.28	0.29	0.35
2122	Milk and cream processing	36	36	229.5	271.7	130.6	120.2	17.0	35.6	0.57	0.44	0.13	0.29
2129	Ice cream mfg.	51	32	253.2	358.9	69.5	47.2	21.9	25.3	0.27	0.13	0.32	0.53
212	<i>Total</i>	77	76	254.8	314.9	88.3	89.6	22.8	37.7	0.35	0.28	0.26	0.34
213	Fruit and vegetable processing	70	70	131.4	131.1	45.3	50.3	21.1	21.7	0.34	0.38	0.47	0.43
214	Oil and fat 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.
2151	Flour mill and cereal food mfg.—	42	67	331.6	383.4	101.5	89.2	21.9	30.7	0.31	0.23	0.22	0.34
2152	Flour mill product mfg	45	35	145.4	136.8	71.6	56.5	21.7	21.9	0.39	0.11	0.30	0.38
215	<i>Total</i>	44	47	216.7	264.7	83.0	73.4	21.8	26.5	0.38	0.28	0.26	0.36
Bakery product mfg.—													
2161	Bread mfg	21	29	93.6	98.7	42.0	39.9	22.6	22.6	0.45	0.40	0.52	0.54
2162	Cake and pastry 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.
2163	Biscuit 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.
216	<i>Total</i>	27	26	87.9	92.2	39.0	43.0	20.6	27.7	0.48	0.47	0.51	0.48
2171	Other food mfg	202	227	270.2	275.5	83.7	86.4	29.3	33.2	0.31	0.31	0.35	0.38
2172	Sugar mfg	7	9	76.3	60.6	30.0	30.0	18.9	16.3	0.39	0.49	0.58	0.50
2173	Confectionery mfg	13	29	120.6	148.8	45.8	36.3	7.8	16.2	0.38	0.74	0.17	0.43
2174	Seafood processing	29	19	259.7	463.1	65.9	77.4	19.3	31.8	0.25	0.17	0.29	0.40
2179	Prepared animal and bird feed mfg	27	25	161.2	165.3	74.4	72.3	22.1	25.6	0.46	0.44	0.29	0.35
217	<i>Total</i>	58	50	245.8	260.6	78.5	78.9	26.3	30.4	0.32	0.30	0.33	0.38

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, QUEENSLAND, 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 (e)(f) (\$'000)	Value added/ to turnover (g)	Ratio of Wages and salaries to value added	
							1989-90	1992-93
Beverage and malt mfg—								
2181	Soft drink, cordial and syrup mfg	n.p.	45	n.p.	n.p.	n.p.	n.p.	n.p.
2182	Beer and malt mfg	199	3	296.6	141.5	30.7	0.48	n.p.
2183	Wine mfg	4	107.4	45.0	19.1	0.42	n.p.	0.22
2184	Spirit mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.37
218	Total	63	59	286.9	177.7	36.7	0.41	n.p.
219	Tobacco product mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.39
21	Total food, beverage and tobacco mfg	\$6	59	201.1	226.0	67.1	24.0	28.6
TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG								
2211	Textile fibre, yarn and woven fabric mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2212	Wool scouring	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2213	Synthetic fibre textile mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2214	Cotton textile mfg	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.
2215	Textile finishing	14	4	n.p.	n.p.	n.p.	n.p.	n.p.
221	Total	18	21	120.5	157.8	60.6	22.2	25.5
222	Textile product mfg—							
2221	Wade-up textile product mfg	7	8	69.8	75.7	30.1	33.3	18.4
2222	Textile floor covering mfg	16	25	171.4	224.1	58.8	79.7	22.9
2223	Rope, cordage and twine mfg	4	4	66.3	59.5	33.8	34.0	20.7
2229	Textile product mfg n.e.c.	12	9	47.7	109.5	25.9	43.1	16.9
222	Total	8	9	89.5	174.7	36.2	45.4	21.9
223	Knitting mills	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.44
2231	Hosiery mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.56
2232	Cardigan and pullover mfg	14	11	138.3	161.0	80.4	67.7	24.9
2239	Knitting mill product mfg n.e.c.	3	1	109.0	147.0	63.5	63.5	23.8
223	Total	17	12	247.3	308.0	144.3	131.9	28.3
224	Clothing mfg							
2241	Men's and boys' wear mfg	9	18	54.6	60.7	31.9	33.2	18.3
2242	Women's and girls' wear mfg	3	6	n.p.	n.p.	n.p.	n.p.	n.p.
2243	Sleepwear, underwear and infant clothing mfg	6	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2249	Clothing mfg n.e.c.	0	11	54.2	79.6	17.1	39.0	15.7
224	Total	9	14	58.7	64.5	14.4	34.1	17.8
								21.7

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, QUEENSLAND, 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) (\$'000)		
		1989-90	1992-93		1989-90	1992-93		1989-90	1992-93		1989-90	1992-93	
		23	12	65.4	74.7	29.7	25.9	17.5	21.2	0.45	0.35	0.59	0.79
<i>225 Footwear mfg</i>													
21561	Leather and leather product mfg—	30	51	213.9	232.8	43.2	52.5	22.5	26.4	0.20	0.23	0.52	0.50
2262	Leather tanning and fur dressing	6	6	51.5	62.0	24.8	28.7	18.7	20.5	0.48	0.46	0.66	0.57
226	<i>Total</i>	15	20	173.7	198.9	38.6	47.7	21.7	25.4	0.22	0.24	0.54	0.51
22	<i>Total textile, clothing, footwear and leather mfg</i>	16	13	75.7	91.9	36.6	39.2	18.6	22.8	0.48	0.43	0.49	0.54
<i>WOOD AND PAPER PRODUCT MFG</i>													
Log sawmilling and timber dressing—													
2311	Log sawmilling	16	17	x3.8	148.2	55.1	57.1	20.3	25.4	0.66	0.48	0.35	0.42
2312	Wood chipping	21	18	108.9	108.5	56.5	45.8	20.0	24.6	0.52	0.42	0.34	0.51
2313	Timber resawing and dressing	16	17	88.6	117.0	55.4	55.8	20.2	25.3	0.62	0.48	0.35	0.43
231	<i>Total</i>												
Other wood product mfg—													
2321	Plywood and veneer mfg	35	n.p.	101.5	n.p.	57.1	n.p.	25.3	n.p.	0.56	n.p.	0.44	n.p.
2322	Fabricated wood mfg	74	n.p.	157.6	n.p.	66.7	n.p.	26.4	n.p.	0.42	n.p.	0.39	n.p.
2323	Wooden structural component mfg	9	11	83.6	119.7	33.7	45.0	20.8	28.0	0.40	0.38	0.57	0.51
2329	Wood product mfg n.e.c.	6	5	62.7	88.3	26.6	37.3	16.6	25.1	0.42	0.42	0.54	0.49
232	<i>Total</i>	10	11	93.5	119.7	39.4	44.3	21.5	27.6	0.42	0.37	0.57	0.55
<i>Paper and paper product mfg</i>													
2331	Pulp, paper and paperboard mfg	53	64	313.7	n.p.	182.1	n.p.	35.8	47.3	0.58	n.p.	0.20	n.p.
2332	Solid paperboard container mfg	n.p.	10	n.p.	17.9	n.p.	45.2	n.p.	n.p.	0.38	n.p.	0.64	
2333	Corrugated paperboard container mfg	101	135	220.1	n.p.	104.9	n.p.	31.9	n.p.	0.48	n.p.	0.30	n.p.
2334	Paper bag and sack mfg	n.p.	27	n.p.	174.6	n.p.	64.5	n.p.	24.3	n.p.	0.37	n.p.	0.38
2339	Paper product mfg n.e.c.	35	42	n.p.	n.p.	n.p.	119.4	31.0	36.6	n.p.	n.p.	n.p.	0.26
233	<i>Total</i>	56	63	238.5	263.6								
23	<i>Total wood and paper product mfg</i>	13	15	118.1	147.6	58.3	62.3	22.9	28.3	0.49	0.42	0.37	0.42
<i>PRINTING, PUBLISHING AND RECORDED MEDIA</i>													
2411	Printing and services to printing	11	18	119.4	134.4	50.3	52.8	25.2	29.4	0.42	0.39	0.49	0.53
2412	Paper stationery mfg	15	15	78.9	102.2	36.4	47.3	23.7	29.0	0.46	0.46	0.63	0.59
2413	Services to printing	9	n.p.	60.4	n.p.	36.7	n.p.	25.0	n.p.	0.61	n.p.	0.67	
241	<i>Total</i>	14	n.p.	80.7	n.p.	37.5	n.p.	23.9	n.p.	0.47	n.p.	0.61	

For footnotes see end of table.

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

ANZSIC code	Description	Persons employed per establishment (b) (No.)			Turnover per person employed (c)(d) (\$'000)		Value added per employee (c)(d) (\$'000)		Wages and salaries per employee (d)(e) (\$'000)		Value added to turnover		Ratio of 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	1989-90	1992-93
Publishing—															
2421	Newspaper printing or publishing	51	50	96.5	122.3	61.8	82.4	26.8	31.9	0.64	0.67	0.43	0.38		
2422	Other periodical publishing (f)	7	8	119.7	88.3	72.3	46.4	20.6	24.5	0.53	0.53	0.27	0.50		
2423	Book and other publishing (f)			116.1	119.5	56.9	56.9	32.5	32.5	0.49	0.49	0.42	0.54		
242	Total	38	29	97.7	111.3	62.3	78.7	26.5	31.4	0.64	0.66	0.42	0.39		
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.	n.p.		
24	Total printing, publishing and recorded media	19	19	88.5	111.0	48.9	63.7	25.1	30.2	0.55	0.57	0.50	0.46		
PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG															
251	<i>Petroleum refining</i>	158	94	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>	3	—	n.p.	235.2	n.p.	75.6	n.p.	37.7	n.p.	n.p.	0.32	n.p.	n.p.	n.p.
Basic chemical mfg—															
2531	Fertiliser mfg	u.p.	31	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.	128	n.p.	296.5	196.9	112.2	69.6	26.1	28.8	0.35	n.p.	n.p.	n.p.	n.p.
2533	Synthetic resin mfg	22	25	275.5	408.9	40.0	148.2	26.6	27.8	0.15	0.15	0.36	0.67	0.18	0.41
2534	Organic industrial chemical mfg n.e.c.	34	21	n.p.	285.6	n.p.	71.1	n.p.	33.1	n.p.	0.25	n.p.	0.47	n.p.	n.p.
2535	Inorganic industrial chemical mfg n.e.c.	18	27	n.p.	287.7	274.8	85.5	86.4	29.0	37.9	0.30	0.34	0.37	0.37	
253	Total	34	32	n.p.	287.7	274.8	85.5	86.4	29.0	37.9	0.30	0.34	0.37	0.37	
Other chemical product mfg—															
2541	Explosive mfg	39	53	n.p.	621.9	n.p.	318.5	n.p.	47.6	n.p.	0.51	n.p.	0.15		
2542	Paint mfg	56	52	236.7	255.8	96.1	124.9	28.4	34.9	0.41	0.49	0.47	0.47	0.29	0.28
2543	Medicinal and pharmaceutical product mfg	22	34	113.7	225.2	46.8	105.1	22.7	29.4	0.41	0.41	0.48	0.48	0.28	
2544	Pesticide mfg	15	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	20	9	273.2	219.4	139.0	113.4	32.6	29.6	0.51	0.52	0.23	0.25		
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.	0.57	0.37	0.27	0.45
2547	Ink mfg	n.p.	6	113.6	197.2	91.5	76.9	24.9	25.3	0.43	0.39	n.p.	n.p.	n.p.	
2549	Chemical product mfg n.e.c.	6	5	213.6	323.6	113.8	149.6	30.5	34.7	0.46	0.46	0.27	0.31	0.27	0.23
254	Total	26	22	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.46	0.46	0.27	0.23
Rubber product mfg															
2551	Rubber tire mfg	24	15	197.4	173.2	88.8	48.8	24.7	23.4	0.45	0.45	0.28	0.46		
2552	Rubber product mfg n.e.c.	10	16	75.4	167.2	37.9	77.4	22.3	29.2	0.50	0.50	0.57	0.37		
255	Total	14	16	130.6	168.8	60.9	71.3	23.4	28.0	0.47	0.47	0.38	0.39		

For footnotes see end of table.

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

ANZSIC code	Description		Persons employed per establishment (b) ('000)	Turnover per person employed (c)(\$) ('000)	Value added per person employed (c)(\$) ('000)	Wages and salaries per employee (d)(\$) ('000)	Ratio of			
							1989-90		1992-93	
							1989-90	1992-93	1989-90	1992-93
2561	Plastic product mfg—		50	n.p.	163.5	n.p.	71.8	n.p.	24.9	n.p.
2562	Plastic blow moulded product mfg		27	40	231.1	244.2	74.9	106.8	32.6	36.3
2563	Plastic extruded product mfg		14	23	n.p.	125.0	n.p.	52.9	n.p.	22.0
2564	Plastic bag and film mfg		13	n.p.	61.9	n.p.	33.9	n.p.	20.7	n.p.
2565	Plastic product, rigid fibre reinforced, mfg		34	21	n.p.	192.3	n.p.	72.7	n.p.	25.3
2566	Plastic foam product mfg		10	10	97.5	154.6	38.6	63.2	21.8	26.2
256	Plastic injection moulded product mfg		15	16	n.p.	n.p.	n.p.	n.p.	0.41	0.40
	Total								n.p.	n.p.
25	Total petroleum, coal, chemical and associated product mfg		22	21	394.6	440.6	101.5	108.2	28.8	32.9
NON-METALLIC MINERAL PRODUCT MFG—			29	28	n.p.	187.6	n.p.	75.5	n.p.	33.0
261	Glass and glass product mfg								n.p.	33.0
Ceramic mfg—									n.p.	n.p.
2621	Clay brick mfg		66	66	123.3	154.3	84.7	85.3	23.7	28.4
2622	Ceramic product mfg		14	21	—	173.9	—	99.2	—	31.2
2623	Ceramic tile and pipe mfg		8	7	64.6	100.7	44.0	73.6	20.3	24.7
2629	Ceramic product mfg n.e.c.		23	24	38.6	40.3	23.7	23.9	12.7	17.4
262	Total				131.3	166.4	74.2	74.2	20.8	26.6
Cement, lime, plaster and concrete product mfg—									n.p.	n.p.
2631	Cement and lime mfg		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2632	Plaster product mfg		41	n.p.	317.3	n.p.	146.4	n.p.	38.0	n.p.
2633	Concrete sturry mfg		10	28	397.5	367.9	111.9	69.8	23.5	32.9
2634	Concrete pipe and box culvert mfg		n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2635	Concrete product mfg n.e.c.		21	25	149.0	182.0	76.8	85.7	26.5	32.5
263	Total			32	236.7	260.8	83.0	96.5	28.3	33.3
264	Non-metallic mineral product mfg n.e.c.		7	10	n.p.	132.5	n.p.	60.7	n.p.	30.7
26	Total non-metallic mineral product mfg		20	27	195.1	222.5	79.7	86.3	26.0	31.9
METAL PRODUCT MFG									n.p.	n.p.
Iron and steel mfg									n.p.	n.p.
2711	Basic iron and steel mfg		23	27	398.5	321.7	117.1	61.7	27.0	30.0
2712	Iron and steel casting and forging		47	61	118.0	128.7	61.1	52.6	28.2	31.8
2713	Steel pipe and tube mfg		31	36	336.7	359.9	135.8	75.3	29.6	33.3
271	Total		33	37	243.7	246.7	89.9	60.0	27.9	31.3

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, QUEENSLAND, 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)(g) (\$'000)		Wages and salaries per employee (f)(e) (\$'000)	
		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.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2722	Aluminium smelting	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2723	Copper, silver, lead and zinc smelting, refining	268	170	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2729	Basic non-ferrous metal mfg n.e.c.	129	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
272	<i>Total</i>	304	211	662.8	627.7	250.5	138.7	35.7	39.9
Non-ferrous basic metal product mfg—									
2731	Aluminium rolling, drawing, extruding	n.p.	75	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2732	Non-ferrous metal rolling, drawing, extruding n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2733	Non-ferrous metal casting	11	40	86.6	162.2	45.4	n.p.	0.52	0.54
273	<i>Total</i>	34	40	85.9	162.2	69.7	69.6	23.1	29.0
Structural metal product mfg—									
2741	Structural steel fabricating	14	12	142.5	170.2	56.5	65.1	25.6	29.0
2742	Architectural aluminium product mfg	21	19	109.8	126.2	23.1	41.8	21.1	24.9
2749	Structural metal product mfg n.e.c.	12	11	106.4	128.7	43.7	55.8	22.0	27.0
274	<i>Total</i>	16	15	121.4	142.3	38.7	52.2	22.9	26.6
Sheet metal product mfg—									
2751	Metal container mfg	62	57	234.0	308.6	97.7	107.9	27.5	35.5
2759	Sheet metal product mfg n.e.c.	15	13	108.4	102.4	40.1	45.9	23.5	37.0
275	<i>Total</i>	19	17	145.9	167.7	57.5	65.5	24.7	29.7
Fabricated metal product mfg—									
2761	Hand tool and general hardware mfg	5	7	61.4	105.5	35.3	50.1	22.4	35.5
2762	Spring and wire product mfg	18	16	110.7	220.1	49.0	63.0	23.0	27.4
2763	Nut, bolt, screw and rivet mfg	10	12	62.7	78.6	31.5	37.3	21.8	27.0
2764	Metal coating and finishing	11	9	80.0	93.0	42.7	49.8	24.2	27.5
2765	Non-ferrous pipe fitting mfg	34	35	94.1	122.1	33.9	57.4	25.8	36.3
2769	Fabricated metal product mfg n.e.c.	9	10	69.7	104.7	39.3	46.5	21.1	27.7
276	<i>Total</i>	11	11	79.4	125.7	46.9	50.5	22.2	27.4
27	<i>Total metal product mfg</i>	19	19	230.2	244.8	86.8	106.7	26.1	30.4

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, QUEENSLAND, 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 (e)(f) (\$'000)	Wages and salaries per employee (g)(e) (\$'000)		Value added to turnover	Ratio of 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
MACHINERY AND EQUIPMENT MFG--									
2811	Motor vehicle and part mfg--	n.p. 15	n.p. 97.3	n.p. 109.0	n.p. 38.3	n.p. 41.4	n.p. 21.9	n.p. 26.3	n.p. 0.38
2812	Motor vehicle body mfg	n.p. 16	n.p. 12	n.p. 78.0	n.p. 81.9	n.p. 38.8	n.p. 45.1	n.p. 20.7	n.p. 0.50
2813	Automotive electrical and instrument mfg	n.p. 27	n.p. 17	n.p. 145.0	n.p. 71.7	n.p. 43.2	n.p. 23.0	n.p. 27.0	n.p. 0.55
2819	Automotive component mfg n.e.c.								
281	<i>Total</i>								
2821	Other transport equipment mfg--								
2822	Shipbuilding	13	19	91.0	92.6	32.5	36.4	25.3	33.1
2822	Boatbuilding	14	10	74.1	135.8	32.9	45.9	32.9	26.3
2823	Railway equipment mfg	326	269	64.3	71.0	42.7	43.0	23.6	44
2824	Aircraft mfg	9	10	85.4	89.0	28.2	49.9	24.6	29.7
2829	Transport equipment mfg n.e.c.	6	5	69.3	88.1	27.7	41.4	22.8	28.5
282	<i>Total</i>	27	33	69.7	89.3	37.9	43.4	23.5	25.3
2831	Photographic and scientific equipment mfg--								
2832	Photographic and optical good mfg	11	12	70.7	91.7	35.1	52.9	18.6	25.2
2832	Medical and surgical equipment mfg	5	7	88.3	77.1	43.5	50.2	34.2	29.6
2839	Professional and scientific equipment mfg n.e.c.	18	7	92.3	105.3	49.4	61.4	27.5	30.2
283	<i>Total</i>	7	7	86.4	84.0	43.5	52.4	20.2	28.3
2841	Electronic equipment mfg--								
2842	Computer and business machine mfg	20	17	72.6	123.6	36.7	60.8	27.5	30.2
2842	Telecommunication, broadcasting and transceiving equipment mfg								
2849	Electronic equipment mfg n.e.c.	6	16	74.9	160.4	31.8	61.9	19.1	26.8
284	<i>Total</i>	12	14	103.4	109.8	52.5	48.4	25.5	27.7
2851	Household appliance mfg--								
2852	Electric cable and wire mfg	11	20	100.7	175.1	38.1	59.4	20.9	25.2
2853	Battery mfg	n.p. 28	n.p. 21	n.p. 93.7	n.p. 107.5	n.p. 51.2	n.p. 50.0	n.p. 27.8	n.p. 30.6
2854	Electric light and sign mfg	25	21	93.7	107.5	n.p. 51.2	n.p. 50.0	n.p. 27.8	n.p. 30.6
2859	Electrical equipment mfg n.e.c.	23	20	113.0	142.8	53.7	65.2	25.5	27.9
285	<i>Total</i>								

For footnotes see end of table.

TABLE 3. MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATING RATIOS BY INDUSTRY CLASS, QUEENSLAND, 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)(d) (\$'000)	Wages and salaries per employee (f)(e) (\$'000)	Value added to turnover (g)	Wages and salaries to value added (h)	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
	Industrial machinery and equipment mfg										
2861	Agricultural machinery mfg	23	24	113.4	112.3	54.3	53.1	24.9	27.6	0.48	0.47
2862	Mining and construction machinery mfg	40	28	131.4	121.3	57.7	56.4	29.2	36.9	0.44	0.46
2863	Food processing machinery mfg	24	23	138.8	112.0	79.8	65.2	24.9	37.5	0.57	0.58
2864	Machine tool and part mfg	8	9	97.5	109.0	46.0	52.2	24.2	26.7	0.47	0.48
2865	Lifting and material handling equipment mfg	27	17	140.9	170.3	59.8	76.9	30.1	34.1	0.42	0.45
2866	Pump and compressor mfg	25	8	87.4	155.1	42.8	70.8	25.3	23.8	0.45	0.44
2867	Commercial space heating and cooling equipment mfg	25	8	78.2	134.6	45.4	85.2	23.1	28.8	0.58	0.59
2868	Industrial machinery and equipment mfg n.e.c.	13	12	86.7	105.1	42.8	47.3	25.1	28.3	0.49	0.51
2869	Total	20	17	113.6	121.3	53.9	57.1	26.2	30.6	0.47	0.48
28	<i>Total machinery and equipment mfg</i>	<i>20</i>	<i>18</i>	<i>125.1</i>	<i>119.5</i>	<i>53.7</i>	<i>51.6</i>	<i>24.9</i>	<i>28.8</i>	<i>0.42</i>	<i>0.43</i>
	OTHER MANUFACTURING										
	Prefabricated building mfg										
2911	Prefabricated metal building mfg	15	13	159.2	176.0	49.0	46.9	21.8	24.3	0.31	0.27
2919	Prefabricated building mfg n.e.c.	24	11	107.5	142.1	51.0	54.9	23.4	23.0	0.47	0.39
291	Total	18	13	138.0	170.3	49.9	48.4	22.5	24.1	0.36	0.28
	Furniture mfg—										
2921	Wooden furniture and upholstered seat mfg	11	8	70.0	78.8	32.3	33.6	19.1	23.5	0.46	0.43
2922	Sheet metal furniture mfg	26	9	105.8	88.1	46.9	35.9	16.5	23.2	0.44	0.41
2923	Mattress mfg (except rubber)	37	38	106.3	126.3	44.5	48.4	22.5	25.8	0.42	0.38
2929	Furniture mfg n.e.c.	16	11	71.9	88.1	38.3	40.8	23.9	26.2	0.53	0.50
292	Total	12	9	75.8	84.1	34.9	35.9	19.6	24.1	0.46	0.43
	Miscellaneous manufacturing—										
2941	Jewellery and silverware mfg	5	4	75.1	83.0	29.6	32.4	18.3	23.2	0.39	0.39
2942	Toy and sporting good mfg (g)	6	7	65.9	113.0	31.8	58.1	20.2	25.6	0.51	0.56
2949	Manufacturing n.e.c. (g)	7	7	60.7	107.7	37.8	45.7	20.2	25.7	0.52	0.39
294	Total	6	6	67.1	86.2	31.6	45.7	20.0	25.7	0.48	0.43
29	<i>Total other manufacturing</i>	<i>11</i>	<i>9</i>	<i>87.1</i>	<i>90.1</i>	<i>35.9</i>	<i>39.1</i>	<i>20.0</i>	<i>23.9</i>	<i>0.43</i>	<i>0.44</i>
21-29	TOTAL MANUFACTURING	21	20	173.0	193.4	64.7	65.2	24.3	28.9	0.37	0.34

(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. Includes working proprietors. (d) Value data are at current prices and, therefore, do not discount the impact of price changes. (e) Based on average number of employees over the whole year. Excludes working proprietors and their drawings. (f) Data for 1989-90 for ANZSIC classes 2422 and 2423 have been combined.

(g) Data for 1989-90 for ANZSIC classes 2422 and 2423 have been combined.

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

Industry subdivision ANZSIC code	Description	1989-90 to 1992-93					
		1989-90 to 1990-91		1990-91 to 1991-92		1991-92 to 1992-93	
		1989-90	1990-91	1991-92	1992-93		
21	Food, beverage and tobacco mfg	3.0	2.2	6.1	6.9	10.1	Change in gross product per person employed (c)
22	Textile, clothing, footwear and leather mfg	3.8	-5.1	-0.8	-2.3	8.5	
23	Wood and paper product mfg	0.8	8.2	0.8	6.5	4.6	
24	Printing, publishing and recorded media	1.9	-14.1	11.6	2.3	6.6	
25	Petroleum, coal, chemical and associated product mfg	9.1	0.3	0.6	9.4	14.8	
26	Non-metallic mineral product mfg	-3.6	5.8	6.1	8.2	6.5	
27	Metal product mfg	4.3	-0.1	7.2	11.7	14.4	
28	Machinery and equipment mfg	21.1	-1.6	9.4	15.0	4.8	
29	Other manufacturing	-26.2	9.0	8.6	-12.7	3.1	
21-29	Total manufacturing	-1.6	-0.5	5.7	3.5	9.7	

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraphs 18 to 20 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, QUEENSLAND, 1992-93

Employment size group	Establishments at 30 June (b)	Employment at end of June (c)		Hages and salaries (d)(e)		Turnover (e)		Value added (e)		Net capital expenditure (e)		Value added per person employed (f)(g) (\$'000)		Wages and salaries to value added for turnover		
		(No.)	(%)	(No.)	(%)	(Sm)	(%)	(Sm)	(%)	(Sm)	(%)	(Sm)	(%)	(Sm)	(%)	
		FOOD, BEVERAGE AND TOBACCO MFG														
0 - 3 persons	102	17.9	222	0.7	3.3	0.4	18.3	0.2	8.0	0.4	0.6	0.2	34.4	0.44	0.42	
4 - 9 persons	175	30.7	1,087	3.3	24.5	2.6	114.7	1.5	43.1	1.9	2.9	0.9	41.3	0.38	0.57	
10 - 19 persons	79	13.9	1,018	3.1	19.9	2.1	269.7	2.8	57.2	2.5	8.8	2.8	54.5	0.27	0.35	
20 - 49 persons	93	16.3	3,123	9.4	65.8	7.1	581.7	7.8	161.0	7.2	11.0	3.6	54.2	0.28	0.41	
50 - 99 persons	40	7.0	2,825	8.5	71.1	7.6	704.7	9.4	206.2	9.2	24.1	7.8	73.1	0.29	0.34	
Total less than 100 persons	489	85.8	8,275	24.8	1,04.5	19.8	1,629.7	21.8	475.4	21.7	47.4	15.3	58.6	0.29	0.39	
100 - 199 persons	36	6.3	5,070	15.2	141.0	15.4	1,209.0	16.2	394.6	17.5	131.3	42.4	77.4	0.33	0.37	
200 - 499 persons	29	5.1	9,295	27.9	260.3	27.9	2,162.8	28.9	581.7	25.8	65.6	21.2	65.4	0.27	0.45	
500+ 999 persons	15	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.	
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.	
Total 100 or more persons	87	14.2	25,160	75.2	748.0	80.2	5,852.9	78.2	1,776.1	78.9	262.2	84.7	70.9	0.30	0.47	
Total	570	100.0	33,375	100.0	932.6	100.0	7,481.9	100.0	2,251.5	100.0	309.6	100.0	67.9	0.30	0.41	
TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG																
0 - 3 persons	180	40.2	399	6.8	7.3	5.8	30.7	5.6	13.1	5.6	0.2	2.0	25.8	0.43	0.56	
4 - 9 persons	148	33.0	803	13.7	12.3	9.7	53.3	9.7	24.8	10.6	1.0	9.4	31.7	0.47	0.49	
10 - 19 persons	54	12.1	749	12.8	12.7	10.1	49.3	8.9	23.2	9.9	1.2	11.0	31.0	0.47	0.55	
20 - 49 persons	40	8.9	1,164	19.9	26.1	20.8	115.7	21.0	50.1	21.3	3.4	32.2	43.7	0.43	0.52	
50 - 99 persons	18	4.0	1,109	18.9	27.0	21.5	148.5	26.9	50.3	21.4	2.3	21.8	44.9	0.34	0.51	
Total less than 100 persons	439	95.0	4,224	72.0	85.5	67.9	397.5	72.1	161.5	68.7	8.1	76.4	37.5	0.47	0.53	
100 - 199 persons	6	1.3	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.	
200 - 499 persons	3	0.7	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.	
500+ 999 persons																
1000 or more persons																
Total 100 or more persons	9	2.0	1,640	28.0	40.4	32.1	154.3	27.9	73.5	31.3	2.5	23.6	43.8	0.48	0.55	
Total	448	100.0	5,863	100.0	125.8	100.0	551.7	100.0	235.0	100.0	10.6	100.0	39.3	0.43	0.54	

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a); SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, QUEENSLAND, 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)		Ratio of (e) to wages and salaries to value added	
	(No.)	(%.)	(No.)	(%.)	(\$m)	(%.)	(\$m)	(%.)	(\$m)	(%.)	(\$m)	(%.)	(\$m)	(%.)
WOOD AND PAPER PRODUCT MFG														
0 - 3 persons	206	30.7	523	5.2	8.5	3.2	47.4	3.2	20.4	3.2	1.5	2.1	37.1	0.43
4 - 9 persons	252	37.6	1,368	13.5	28.7	10.8	134.5	9.1	63.1	10.1	2.0	2.9	46.7	0.45
10 - 19 persons	107	15.9	1,497	14.8	34.6	13.0	162.7	11.0	71.8	11.4	5.6	8.1	48.6	0.48
20 - 49 persons	64	9.5	1,766	17.4	41.9	15.8	197.8	13.3	81.2	12.9	4.4	6.4	46.3	0.41
50 - 99 persons	24	3.6	1,728	17.0	43.3	16.3	242.8	16.3	85.5	13.6	8.3	12.0	49.8	0.35
Total less than 100 persons	654	97.5	6,882	67.9	157.0	59.0	785.2	52.9	322.0	51.3	21.8	31.5	47.0	0.44
100 - 199 persons	10	1.5	1,386	13.7	38.6	14.5	254.4	17.1	92.8	14.8	9.3	13.5	68.7	0.36
200 - 499 persons	7	1.0	1,871	18.5	70.3	26.4	446.0	30.0	213.1	33.9	38.1	55.1	115.4	0.48
500 - 999 persons	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000 or more persons	17	2.5	3,258	32.1	109.0	41.0	700.4	47.7	305.9	43.7	47.5	68.5	95.7	0.44
Total 100 or more persons	—	—	—	—	—	—	—	—	—	—	—	—	—	0.36
Total	671	100.0	10,139	100.0	266.0	100.0	1,485.5	100.0	627.9	100.0	69.3	100.0	62.5	0.42
PRINTING, PUBLISHING AND RECORDED MEDIA														
0 - 3 persons	138	29.5	365	3.6	7.2	2.5	26.2	2.3	13.0	2.0	1.2	4.7	34.5	0.50
4 - 9 persons	181	33.8	1,103	10.9	25.8	8.8	82.3	7.4	46.9	7.3	1.1	4.3	42.8	0.57
10 - 19 persons	90	16.8	1,270	12.6	31.3	10.7	106.9	9.6	53.0	8.3	2.4	9.1	42.0	0.50
20 - 49 persons	74	13.8	1,975	19.5	50.5	17.2	192.1	17.2	91.9	14.4	12.3	46.7	47.6	0.48
50 - 99 persons	13	2.4	826	8.2	26.2	8.9	100.9	9.0	49.9	7.8	2.2	8.4	60.6	0.49
Total less than 100 persons	517	96.6	5,539	54.8	141.1	48.1	508.4	45.6	254.7	39.8	19.3	33.3	46.4	0.55
100 - 199 persons	11	2.1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	4.5	17.2	34.5	0.55
200 - 499 persons	6	1.1	1,610	15.9	53.2	18.1	166.0	14.9	101.6	15.9	4.5	17.2	64.6	0.57
500 - 999 persons	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1000 or more persons	18	3.4	4,523	45.2	152.4	51.9	607.5	54.4	384.9	60.2	7.1	26.7	85.3	0.40
Total	535	100.0	10,112	100.0	293.5	100.0	1,115.9	100.0	639.6	100.0	26.4	100.0	64.0	0.57

For footnotes see end of table.

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

Employment size group	Establishments at 30 June (b)	Employment at end of June (c)				Wages and salaries (d)(e)	Turnover (f)	Value added (g)	Net capital expenditure (h)	Value added per person employed (i)(h)(j)	Wages and salaries to value added ratio (k)
		(No.)	(%)	(No.)	(%)						
		(No.)	(%)	(No.)	(%)						
PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG											
0 - 3 persons	121	33.2	287	3.7	5.7	2.3	39.4	1.2	16.9	2.1	0.7
4 - 9 persons	118	32.4	711	9.2	16.9	6.9	97.1	2.9	36.5	4.5	1.6
10 - 19 persons	46	12.6	638	8.4	17.4	7.1	146.6	4.4	45.5	5.6	2.7
20 - 49 persons	45	12.4	1,432	18.4	40.3	16.5	373.0	11.2	141.9	17.4	1.2
50 - 99 persons	14	3.8	957	12.3	29.7	12.2	248.1	7.5	102.0	12.5	1.0
Total less than 100 persons	344	94.5	4,026	51.8	110.0	45.1	904.7	27.2	342.7	41.9	12.5
100 - 199 persons	13	3.6	1,720	22.1	53.6	21.9	364.7	11.0	171.3	21.0	12.0
200 - 499 persons	7	1.9	2,019	26.0	80.6	33.0	2,058.9	61.9	303.1	37.1	15.2
500 - 999 persons	-	-	-	-	-	-	-	-	-	-	-
1000 or more persons	-	-	-	-	-	-	-	-	-	-	-
Total 100 or more persons	20	5.5	3,739	43.1	134.2	54.9	2,423.6	72.8	474.4	58.7	13.5
Total	364	100.0	7,766	100.0	244.2	100.0	3,327.6	100.0	817.0	100.0	216.3
NON-METALLIC MINERAL PRODUCT MFG											
0 - 3 persons	70	24.2	160	2.1	2.4	1.0	14.0	0.8	6.0	0.9	0.4
4 - 9 persons	105	36.3	663	8.5	13.3	5.7	83.4	5.0	29.9	4.5	3.4
10 - 19 persons	44	15.2	558	7.2	13.1	5.6	70.9	4.2	30.0	4.5	2.7
20 - 49 persons	35	12.1	940	12.1	24.7	10.6	182.9	10.9	83.9	12.6	5.7
50 - 99 persons	12	4.2	770	9.9	22.4	9.6	181.6	10.8	84.5	12.2	10.8
Total less than 100 persons	266	92.0	3,090	39.7	75.9	32.5	531.8	37.8	231.3	34.7	18.2
100 - 199 persons	14	4.8	1,806	23.2	56.0	23.9	491.5	29.3	184.2	27.7	20.6
200 - 499 persons	8	2.8	1,112	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.39
500 - 999 persons	1	0.3	1,112	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.44
1000 or more persons	-	-	-	-	-	-	-	-	-	-	0.44
Total 100 or more persons	23	8.0	4,689	60.3	157.9	67.5	1,141.6	68.2	434.5	65.3	74.6
Total	289	100.0	7,779	100.0	233.8	100.0	1,676.4	100.0	665.8	100.0	71.6
Ratio of (f)											
Ratio of (e)											
Ratio of (h)											

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, QUEENSLAND, 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 (f)		Value added per employed person (g)(f)		Ratio of (c) to turnover (h)	
		(No.)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	(%)	(\$m)	(%)		
METAL PRODUCT MFG															
0- 3 persons	407	35.2	910	4.1	15.5	2.4	80.7	1.5	37.9	2.5	1.1	0.6	40.2	0.47	0.41
4- 9 persons	353	30.5	2,003	9.1	45.9	7.2	231.0	4.4	92.8	6.1	6.4	3.9	47.2	0.40	0.49
10- 19 persons	164	14.2	2,165	9.8	52.8	8.3	221.9	4.2	99.9	6.5	2.9	1.8	46.7	0.45	0.53
20- 49 persons	155	13.4	4,880	22.2	126.4	19.9	822.9	15.5	285.5	18.6	17.0	10.3	60.6	0.35	0.44
50- 99 persons	44	3.8	3,046	13.8	86.9	13.7	619.1	11.7	182.3	11.9	7.1	10.4	60.1	0.29	0.48
Total less than 100 persons	1,723	97.1	13,004	59.1	327.5	57.6	1,975.7	37.2	698.5	45.6	44.4	27.1	53.6	0.35	0.47
100- 199 persons	18	1.6	2,335	10.6	66.1	10.4	417.5	7.9	136.5	8.9	14.8	9.0	61.8	0.33	0.48
200- 499 persons	13	1.1	3,817	17.3	129.6	20.4	1,411.4	26.6	287.7	18.8	62.6	38.2	75.1	0.20	0.45
500- 999 persons	2	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.
1000 or more persons	1	0.1	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.
Total 100 or more persons	34	2.9	9,074	40.9	306.7	48.4	3,314.7	62.8	834.3	54.5	119.5	72.9	94.2	0.25	0.37
Total	1,457	100.0	22,015	100.0	634.2	100.0	5,349.7	100.0	1,532.9	100.0	163.9	100.0	70.8	0.29	0.41
MACHINERY AND EQUIPMENT MFG															
0- 3 persons	340	30.9	714	3.7	14.9	2.8	114.7	5.0	33.9	3.4	0.6	1.5	45.0	0.30	0.44
4- 9 persons	394	35.8	2,222	11.5	48.2	9.0	192.8	8.4	89.7	9.1	5.8	15.7	41.3	0.47	0.54
10- 19 persons	172	15.6	2,258	11.6	56.3	10.5	244.3	10.7	112.7	11.4	2.5	6.8	52.4	0.46	0.50
20- 49 persons	125	11.3	3,772	19.5	104.8	19.6	461.9	20.2	189.5	19.2	7.6	20.7	48.8	0.41	0.55
50- 99 persons	39	3.5	2,548	13.1	73.8	13.8	331.6	14.5	146.1	14.8	10.1	27.4	59.2	0.44	0.51
Total less than 100 persons	1,069	97.0	11,514	59.4	298.0	55.9	1,345.3	58.8	571.9	57.9	26.7	72.2	50.0	0.43	0.52
100- 199 persons	19	1.7	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.
200- 499 persons	12	1.1	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.
500- 999 persons	2	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.
1000 or more persons	33	3.0	7,873	40.6	235.5	44.1	942.2	41.2	415.8	42.1	10.3	27.8	54.0	0.44	0.57
Total	1,102	100.0	19,387	100.0	533.5	100.0	2,287.5	100.0	987.6	100.0	36.9	100.0	51.6	0.43	0.54

For footnotes see end of table.

TABLE 5. MANUFACTURING ESTABLISHMENTS (a); SUMMARY OF OPERATIONS BY EMPLOYMENT SIZE AND INDUSTRY SUBDIVISION, QUEENSLAND, 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)		Value added per person employed (f)(g)(h)		Net capital expenditure (e)		Wages and salaries (e) to value added (f)(g)(h)		Ratio of (e)		
		(No.)	(%)	(No.)	(%)	(\$m)	(%)	(\$m)	(%)	(\$/m)	(%)	(\$/m)	(%)	(\$/m)	(%)	(%)	(%)	
OTHER MANUFACTURING																		
0 - 3 persons	463	44.1	980	10.3	15.8	8.0	76.8	9.2	33.6	9.2	2.6	26.2	32.4	0.44	0.47			
4 - 9 persons	381	36.3	2,231	23.4	42.1	21.4	167.4	20.0	74.7	20.5	2.4	24.2	33.4	0.45	0.50			
10 - 19 persons	93	8.8	1,203	12.6	28.4	14.4	108.4	13.0	47.0	12.9	0.8	8.2	40.2	0.43	0.60			
20 - 49 persons	84	8.0	2,558	26.8	55.4	28.2	223.2	26.7	111.0	30.5	2.6	26.2	47.6	0.50	0.50			
50 - 99 persons	26	2.5	1,772	18.6	38.8	19.7	185.7	22.2	69.5	19.1	1.0	10.4	40.8	0.37	0.56			
Total less than 100 persons	1,046	99.5	8,744	91.5	180.6	91.7	767.5	91.7	335.9	92.2	9.3	95.2	39.6	0.44	0.54			
100 - 199 persons																		
200 - 499 persons																n.p.	n.p.	
500 - 999 persons																n.p.	n.p.	
1000 or more persons																—	—	
Total 100 or more persons																		
Total	1,051	100.0	9,552	100.0	196.9	100.0	835.5	100.0	364.3	100.0	9.7	100.0	39.2	0.44	0.54			
TOTAL MANUFACTURING																		
0 - 3 persons	2,046	33.1	4,558	3.6	80.6	2.3	448.1	1.9	182.8	2.3	8.8	1.0	37.7	0.41	0.44			
4 - 9 persons	2,106	34.0	12,191	9.7	257.5	7.4	1,156.5	4.8	501.6	6.2	25.5	2.8	41.9	0.43	0.51			
10 - 19 persons	850	13.7	11,356	9.0	266.5	7.7	1,320.6	5.5	540.2	6.7	28.7	3.1	48.3	0.49	0.49			
20 - 49 persons	715	14.6	21,609	17.2	536.1	15.5	3,151.4	13.1	1,196.0	14.7	77.0	8.4	57.3	0.38	0.45			
50 - 99 persons	230	3.7	15,583	12.4	419.4	12.1	2,762.9	11.5	973.3	12.0	112.5	12.3	63.4	0.35	0.43			
Total less than 100 persons	5,947	96.7	65,296	51.8	1,560.7	45.7	8,839.5	36.7	3,393.9	41.8	252.4	27.6	52.8	0.38	0.46			
100 - 199 persons																		
200 - 499 persons																		
500 - 999 persons																		
1000 or more persons																		
Total	6,187	100.0	125,987	100.0	3,460.5	100.0	24,071.8	100.0	8,121.6	100.0	914.4	100.0	65.3	0.34	0.43			

(a) See paragraphs 8, 17 and 21 of the Explanatory Notes. (b) See paragraphs 5 to 11 of the Explanatory Notes. (c) Includes working proprietors. (d) Excludes the drawings of working proprietors. (e) Based on average employment over the whole year. (f) Based on average employment over the whole year. (g) Excludes those manufacturing establishments which operated during 1992-93 but were not operating at 30 June 1993. (h) Based on average employment over the whole year.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, QUEENSLAND, 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	1,829	0.1	562	1.2	
2112	Poultry processing	373	0.2	—	—	
2113	Bacon, ham and smallgood mfg	562	0.2	—	—	
211	<i>Total</i>	2,763	0.1	562	1.1	
Dairy product mfg—						
2121	Milk and cream processing	657	0.1	—	—	
2122	Ice cream mfg	441	0.4	n.p.	n.p.	
2129	Dairy product mfg n.e.c.	98	0.1	—	—	
212	<i>Total</i>	1,196	0.2	n.p.	n.p.	
213	<i>Fruit and vegetable processing</i>	2,284	0.8	n.p.	n.p.	
214	<i>Oil and fat mfg</i>	n.p.	n.p.	n.p.	n.p.	
Flour mill and cereal food mfg—						
2151	Flour mill product mfg	1,482	0.7	n.p.	n.p.	
2152	Cereal food and baking mix mfg	113	0.2	n.p.	n.p.	
215	<i>Total</i>	1,595	0.6	75	1.4	
Bakery product mfg—						
2161	Bread mfg	274	0.1	n.p.	n.p.	
2162	Cake and pastry mfg	n.p.	n.p.	n.p.	n.p.	
2163	Biscuit mfg	n.p.	n.p.	—	—	
216	<i>Total</i>	746	0.2	413	2.8	
Other food mfg—						
2171	Sugar mfg	2,611	0.2	683	1.0	
2172	Confectionery mfg	n.p.	n.p.	—	—	
2173	Seafood processing	n.p.	n.p.	—	—	
2174	Prepared animal and bird feed mfg	175	—	n.p.	n.p.	
2179	Food mfg n.e.c.	1,288	0.5	n.p.	n.p.	
217	<i>Total</i>	4,128	0.2	840	0.9	
Beverage and malt mfg—						
2181	Soft drink, cordial and syrup mfg	397	n.p.	—	—	
2182	Beer and malt mfg	n.p.	n.p.	n.p.	n.p.	
2183	Wine mfg	n.p.	n.p.	—	—	
2184	Spirit mfg	—	—	—	—	
218	<i>Total</i>	3,499	0.5	n.p.	n.p.	
219	<i>Tobacco product mfg</i>	n.p.	n.p.	—	—	
21	<i>Total food, beverage and tobacco mfg</i>	16,517	0.2	6,329	1.9	

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, QUEENSLAND, 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	2211		—	—	—	—
2212 Synthetic fibre textile mfg	2212		n.p.	n.p.	—	—
2213 Cotton textile mfg	2213		n.p.	n.p.	—	—
2214 Wool textile mfg	2214		—	—	—	—
2215 Textile finishing	2215		—	—	—	—
<i>Total</i>	221		17	—	—	—
Textile product mfg—						
2221 Made-up textile product mfg	2221		n.p.	n.p.	—	—
2222 Textile floor covering mfg	2222		n.p.	n.p.	—	—
2223 Rope, cordage and twine mfg	2223		—	—	—	—
2229 Textile product mfg n.e.c.	2229		n.p.	n.p.	—	—
<i>Total</i>	222		89	0.1	—	—
Knitting mills—						
2231 Hosiery mfg	2231		—	—	—	—
2232 Cardigan and pullover mfg	2232		—	—	—	—
2239 Knitting mill product mfg n.e.c.	2239		n.p.	n.p.	—	—
<i>Total</i>	223		n.p.	n.p.	—	—
Clothing mfg—						
2241 Men's and boys' wear mfg	2241		85	0.1	—	—
2242 Women's and girls' wear mfg	2242		n.p.	n.p.	—	—
2243 Sleepwear, underwear and infant clothing mfg	2243		n.p.	n.p.	—	—
2249 Clothing mfg n.e.c.	2249		23	—	—	—
<i>Total</i>	224		150	0.1	—	—
225 Footwear mfg	225		n.p.	n.p.	—	—
Leather and leather product mfg—						
2261 Leather tanning and fur dressing	2261		669	0.6	n.p.	n.p.
2262 Leather and leather substitute product mfg	2262		3	—	n.p.	n.p.
<i>Total</i>	226		672	0.6	n.p.	n.p.
22 Total textile, clothing, footwear and leather mfg			963	0.2	n.p.	n.p.
WOOD AND PAPER PRODUCT MFG.—						
Log sawmilling and timber dressing—						
2311 Log sawmilling	2311		750	0.2	n.p.	n.p.
2312 Wood chipping	2312					
2313 Timber resawing and dressing	2313		73	0.2	n.p.	n.p.
<i>Total</i>	231		823	0.2	60	0.4
Other wood product mfg—						
2321 Plywood and veneer mfg	2321		n.p.	n.p.	n.p.	n.p.
2322 Fabricated wood mfg	2322		n.p.	n.p.	n.p.	n.p.
2323 Wooden structural component mfg	2323		366	0.1	28	0.3
2329 Wood product mfg n.e.c.	2329		132	0.2	n.p.	n.p.
<i>Total</i>	232		960	0.2	663	3.9
Paper and paper product mfg—						
2331 Pulp, paper and paperboard mfg	2331		926	n.p.	n.p.	n.p.
2332 Solid paperboard container mfg	2332		n.p.	n.p.	—	—
2333 Corrugated paperboard container mfg	2333		355	n.p.	n.p.	n.p.
2334 Paper bag and sack mfg	2334		n.p.	n.p.	—	n.p.
2339 Paper product mfg n.e.c.	2339		362	n.p.	n.p.	n.p.
<i>Total</i>	233		1,679	0.3	243	0.6
23 Total wood and paper product mfg			3,462	0.2	966	1.3

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, QUEENSLAND, 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	36	0.1	—	—		
2412		Printing	250	0.1	—	—		
2413		Services to printing	n.p.	n.p.	—	—		
241		<i>Total</i>	n.p.	n.p.	—	—		
Publishing—								
2421		Newspaper printing or publishing	77	—	—	—		
2422		Other periodical publishing	n.p.	n.p.	—	—		
2423		Book and other publishing	—	—	—	—		
242		<i>Total</i>	n.p.	n.p.	—	—		
243		<i>Recorded media manufacturing and publishing</i>	—	—	—	—		
24		<i>Total printing, publishing and recorded media</i>	382	—	—	—		
PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG—								
251		Petroleum refining	n.p.	n.p.	7,305	n.p.		
252		Petroleum and coal product mfg n.e.c.	n.p.	n.p.	—	—		
Basic chemical mfg—								
2531		Fertiliser mfg	1,752	n.p.	n.p.	n.p.		
2532		Industrial gas mfg	—	—	—	—		
2533		Synthetic resin mfg	23	n.p.	n.p.	n.p.		
2534		Organic industrial chemical mfg n.e.c.	168	0.4	n.p.	n.p.		
2535		Inorganic industrial chemical mfg n.e.c.	225	0.2	n.p.	n.p.		
253		<i>Total</i>	2,168	0.4	3,871	4.1		
Other chemical product mfg—								
2541		Explosive mfg	n.p.	n.p.	n.p.	n.p.		
2542		Paint mfg	523	0.2	163	4.4		
2543		Medicinal and pharmaceutical product mfg	66	0.1	n.p.	n.p.		
2544		Pesticide mfg	n.p.	n.p.	n.p.	n.p.		
2545		Soap and other detergent mfg	n.p.	n.p.	n.p.	n.p.		
2546		Cosmetic and toiletry preparation mfg	21	0.2	—	—		
2547		Ink mfg	—	—	—	—		
2549		Chemical product mfg n.e.c.	29	0.2	—	—		
254		<i>Total</i>	1,108	0.2	1,138	2.2		
Rubber product mfg—								
2551		Rubber tyre mfg	23	0.1	n.p.	n.p.		
2559		Rubber product mfg n.e.c.	11	—	—	—		
255		<i>Total</i>	34	—	n.p.	n.p.		
Plastic product mfg—								
2561		Plastic blow moulded product mfg	n.p.	n.p.	—	—		
2562		Plastic extruded product mfg	188	0.1	—	—		
2563		Plastic bag and film mfg	155	0.3	n.p.	n.p.		
2564		Plastic product, rigid fibre reinforced, mfg	n.p.	n.p.	n.p.	n.p.		
2565		Plastic foam product mfg	286	0.5	n.p.	n.p.		
2566		Plastic injection moulded product mfg	98	0.1	n.p.	n.p.		
256		<i>Total</i>	776	n.p.	n.p.	n.p.		
25		<i>Total petroleum, coal, chemical and associated product mfg</i>	5,669	0.2	12,419	5.5		

For footnotes see end of table.

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, QUEENSLAND, 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		<i>Glass and glass product mfg</i>	158	0.1	n.p.	n.p.
		<i>Ceramic mfg—</i>				
2621		Clay brick mfg	179	0.1	n.p.	n.p.
2622		Ceramic product mfg	—	—	—	—
2623		Ceramic tile and pipe mfg	—	—	—	—
2629		Ceramic product mfg n.e.c.	10	0.1	—	—
262		<i>Total</i>	189	0.1	n.p.	n.p.
		<i>Cement, lime, plaster and concrete product mfg—</i>				
2631		Cement and lime mfg	n.p.	n.p.	n.p.	n.p.
2632		Plaster product mfg	991	0.5	n.p.	n.p.
2633		Concrete slurry mfg	531	0.1	n.p.	n.p.
2634		Concrete pipe and box culvert mfg	n.p.	n.p.	n.p.	n.p.
2635		Concrete product mfg n.e.c.	695	0.2	777	3.7
263		<i>Total</i>	2,901	0.2	3,630	6.9
264		<i>Non-metallic mineral product mfg n.e.c.</i>	39	0.1	n.p.	n.p.
26		<i>Total non-metallic mineral product mfg</i>	3,285	0.2	n.p.	n.p.
METAL PRODUCT MFG—						
		<i>Iron and steel mfg—</i>				
2711		Basic iron and steel mfg	406	0.1	1,871	10.6
2712		Iron and steel casting and forging	1,244	0.8	n.p.	n.p.
2713		Steel pipe and tube mfg	207	0.1	n.p.	n.p.
271		<i>Total</i>	1,857	0.3	2,153	7.3
		<i>Basic non-ferrous metal mfg—</i>				
2721		Alumina production	n.p.	n.p.	n.p.	n.p.
2722		Aluminium smelting	n.p.	n.p.	—	—
2723		Copper, silver, lead and zinc smelting, refining	1,010	n.p.	n.p.	n.p.
2729		Basic non-ferrous metal mfg n.e.c.	n.p.	n.p.	n.p.	n.p.
272		<i>Total</i>	3,148	0.1	6,176	7.0
		<i>Non-ferrous basic metal product mfg—</i>				
2731		Aluminium rolling, drawing, extruding	n.p.	n.p.	n.p.	n.p.
2732		Non-ferrous metal rolling, drawing, extruding n.e.c.	n.p.	n.p.	n.p.	n.p.
2733		Non-ferrous metal casting	16	0.2	—	—
273		<i>Total</i>	217	0.2	n.p.	n.p.
		<i>Structural metal product mfg—</i>				
2741		Structural steel fabricating	563	0.1	—	—
2742		Architectural aluminium product mfg	193	—	—	—
2749		Structural metal product mfg n.e.c.	87	0.1	—	—
274		<i>Total</i>	843	0.1	—	—
		<i>Sheet metal product mfg—</i>				
2751		Metal container mfg	438	0.2	n.p.	n.p.
2759		Sheet metal product mfg n.e.c.	135	0.1	—	—
275		<i>Total</i>	573	0.1	n.p.	n.p.
		<i>Fabricated metal product mfg—</i>				
2761		Hand tool and general hardware mfg	11	0.1	—	—
2762		Spring and wire product mfg	266	0.1	n.p.	n.p.
2763		Nut, bolt, screw and rivet mfg	19	0.2	—	—
2764		Metal coating and finishing	386	0.7	62	2.8
2765		Non-ferrous pipe fitting mfg	94	0.3	—	—
2769		Fabricated metal product mfg n.e.c.	331	0.1	n.p.	n.p.
276		<i>Total</i>	1,107	0.2	104	1.0
27		<i>Total metal product mfg</i>	7,742	0.1	8,644	5.0

For footnotes see end of table

TABLE 6. MANUFACTURING ESTABLISHMENTS (a): EXPENDITURE ON ENVIRONMENTAL PROTECTION (b)
BY INDUSTRY CLASS, QUEENSLAND, 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	n.p.	n.p.	—	—		
2812		Motor vehicle body mfg	303	0.3	—	—		
2813		Automotive electrical and instrument mfg	n.p.	n.p.	—	—		
2819		Automotive component mfg n.e.c.	107	0.1	n.p.	n.p.		
281		<i>Total</i>	955	0.2	n.p.	n.p.		
Other transport equipment mfg—								
2821		Shipbuilding	632	1.7	n.p.	n.p.		
2822		Boatbuilding	50	—	—	—		
2823		Railway equipment mfg	36	—	n.p.	n.p.		
2824		Aircraft mfg	n.p.	n.p.	n.p.	n.p.		
2829		Transport equipment mfg n.e.c.	n.p.	n.p.	—	—		
282		<i>Total</i>	784	0.2	n.p.	n.p.		
Photographic and scientific equipment mfg—								
2831		Photographic and optical good mfg	n.p.	n.p.	—	—		
2832		Medical and surgical equipment mfg	21	0.1	—	—		
2839		Professional and scientific equipment mfg n.e.c.	n.p.	n.p.	—	—		
283		<i>Total</i>	28	—	—	—		
Electronic equipment mfg—								
2841		Computer and business machine mfg	n.p.	n.p.	—	—		
2842		Telecommunication, broadcasting and transceiving equipment mfg	n.p.	n.p.	—	—		
2849		Electronic equipment mfg n.e.c.	14	—	—	—		
284		<i>Total</i>	30	—	—	—		
Electrical equipment and appliance mfg—								
2851		Household appliance mfg	133	0.1	n.p.	n.p.		
2852		Electric cable and wire mfg	n.p.	n.p.	—	—		
2853		Battery mfg	—	—	—	—		
2854		Electric light and sign mfg	n.p.	n.p.	n.p.	n.p.		
2859		Electrical equipment mfg n.e.c.	94	0.1	n.p.	n.p.		
285		<i>Total</i>	460	0.1	104	1.1		
Industrial machinery and equipment mfg—								
2861		Agricultural machinery mfg	407	0.2	n.p.	n.p.		
2862		Mining and construction machinery mfg	162	0.2	—	—		
2863		Food processing machinery mfg	n.p.	n.p.	—	—		
2864		Machine tool and part mfg	34	0.1	—	—		
2865		Lifting and material handling equipment mfg	n.p.	n.p.	—	—		
2866		Pump and compressor mfg	18	0.1	—	—		
2867		Commercial space heating and cooling equipment mfg	—	—	—	—		
2869		Industrial machinery and equipment mfg n.e.c.	76	0.1	—	—		
286		<i>Total</i>	706	0.1	n.p.	n.p.		
28		<i>Total machinery and equipment mfg</i>	2,963	0.1	268	0.6		

For footnotes see end of table.

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

Industry class	ANZSIC code	Description	Current expenditure on environmental protection		Capital expenditure to abate pollution	
			(S'000)	Proportion of total turnover (%)	(S'000)	Proportion of total capital expenditure (%)
OTHER MANUFACTURING—						
		Prefabricated building mfg—				
2911		Prefabricated metal building mfg	45	0.1	—	—
2919		Prefabricated building mfg n.e.c.	47	0.3	n.p.	n.p.
291		<i>Total</i>	91	0.1	n.p.	n.p.
		Furniture mfg—				
2921		Wooden furniture and upholstered seat mfg	578	0.2	64	1.9
2922		Sheet metal furniture mfg	35	0.2	—	—
2923		Mattress mfg (except rubber)	42	0.1	—	—
2929		Furniture mfg n.e.c.	199	0.2	—	—
292		<i>Total</i>	854	0.2	64	0.9
		Miscellaneous manufacturing—				
2941		Jewellery and silverware mfg	12	0.1	—	—
2942		Toy and sporting good mfg	n.p.	n.p.	—	—
2949		Manufacturing n.e.c.	n.p.	n.p.	n.p.	n.p.
294		<i>Total</i>	210	0.1	n.p.	n.p.
29		<i>Total other manufacturing</i>	1,155	0.1	81	0.6
21-29		TOTAL MANUFACTURING	42,138	0.2	32,464	3.3

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraph 22 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
QUEENSLAND, 1992–93 (c)

ANZSIC code	Description	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)	Exports as a proportion of sales of goods produced (%)		
21	Food, beverage and tobacco mfg	38.2	4.4	11.0	1.7	1,878.5	32.9	—	
22	Textile, clothing, footwear and leather mfg	10.3	4.6	n.p.	n.p.	n.p.	88.2	17.3	
23	Wood and paper product mfg	13.7	2.7	5.9	2.7	35.8	5.4	4.0	
24	Printing, publishing and recorded media	2.1	0.6	0.3	0.3	9.0	3.5	1.6	
25	Petroleum, coal, chemical and associated product mfg	12.5	2.0	5.3	2.2	66.0	2.7	2.5	
26	Non-metallic mineral product mfg	6.5	1.9	0.7	0.4	21.0	1.9	1.7	
27	Metal product mfg	66.5	5.4	26.9	4.5	1,224.4	37.7	26.0	
28	Machinery and equipment mfg	70.2	8.7	19.9	7.4	91.7	12.4	10.0	
29	Other manufacturing	3.4	0.6	n.p.	n.p.	n.p.	6.3	0.8	
21-29	Total manufacturing	223.5	4.1	119.1	4.6	3,358.1	33.3	3,700.6	
								16.4	

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraphs 21 and 23 of the Explanatory Notes. (c) This table excludes those manufacturing establishments which operated during 1992–93 but were not operating at 30 June 1993.

TABLE 8. MANUFACTURING ESTABLISHMENTS (a): SUMMARY OF OPERATIONS (IN PERCENTAGE TERMS) BY PROPORTION OF EXPORTS (b) BY INDUSTRY SUBDIVISION
QUEENSLAND, 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) % ^a	Wages and salaries (d) % ^a	Turnover (e) % ^a	Value added (f) % ^a	Employment at end of June (c) %	Wages and salaries (d) %	Turnover (e) %	Value added (f) %	Employment at end of June (c) %	Wages and salaries (d) %	Turnover (e) %	Value added (f) %
21	Food, beverage and tobacco mfg	48.6	44.8	43.1	44.2	26.5	30.1	29.2	34.4	24.9	25.1	27.7	21.4
22	Textile, clothing, footwear and leather mfg	57.4	51.1	43.9	46.9	36.8	41.8	41.1	45.1	5.8	7.1	15.0	8.1
23	Wood and paper product mfg	83.9	80.5	76.7	69.9	13.8	16.5	20.0	25.4	2.3	3.0	3.3	4.7
24	Printing, publishing and recorded media	91.0	89.9	88.3	91.8	9.0	10.1	11.7	8.2	-	-	-	-
25	Petroleum, coal, chemical and associated product mfg	60.6	56.1	47.3	55.1	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	0.0
26	Non-metallic mineral product mfg	75.1	74.5	79.5	70.2	24.2	25.1	20.9	28.9	0.7	0.4	0.5	0.8
27	Metal product mfg	67.0	60.7	46.9	51.4	19.4	20.5	16.0	18.8	13.6	18.8	37.1	29.8
28	Machinery and equipment mfg	62.4	62.8	55.0	62.9	35.0	34.1	41.6	33.3	2.7	3.1	3.4	3.8
29	Other manufacturing	85.4	85.2	84.6	85.4	n.p.	n.p.	n.p.	n.p.	1.3	0.0	0.0	0.0
21-29	Total manufacturing	65.8	62.4	53.8	58.7	24.3	26.4	28.5	28.6	9.9	1.3	17.7	12.7

(a) See paragraph 8 of the Explanatory Notes. (b) See paragraph 23 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, QUEENSLAND, 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		0.9	0.5	0.5	0.7	0.4	0.7	0.3
22	Textile, clothing, footwear and leather mfg		2.4	1.9	2.0	2.5	2.0	3.4	5.0
23	Wood and paper product mfg		2.5	2.2	2.1	2.6	2.1	1.7	2.4
24	Printing, publishing and recorded media		5.0	4.8	4.0	4.7	3.4	15.1	66.2
25	Petroleum, coal, chemical and associated product mfg		1.3	1.1	0.5	0.5	0.7	0.8	0.2
26	Non-metallic mineral product mfg		2.3	1.3	1.3	1.5	1.7	14.4	1.8
27	Metal product mfg		1.6	1.6	1.1	1.6	1.5	1.5	1.3
28	Machinery and equipment mfg		2.2	1.7	2.1	2.8	1.7	1.1	9.4
29	Other manufacturing		6.2	6.0	5.5	4.2	8.8	38.0	7.3
21-29	Total manufacturing		0.9	0.7	0.5	0.6	1.8	0.7	

(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, QUEENSLAND, 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	1992-93	
FOOD, BEVERAGE AND TOBACCO MFG—						
2111	Meat and meat product mfg—	10.3	8.9	8.5	2,213.8	2,070.0
2112	Meat processing	1.6	1.6	1.5	251.8	257.8
2113	Poultry processing	1.4	1.5	1.3	215.6	226.2
211	Bacon, ham and smallgoods mfg	13.4	12.0	11.3	2,681.7	2,554.1
	<i>Total</i>					7,827.7
2121	Dairy product mfg—	1.5	1.6	1.6	357.2	455.2
2122	Milk and cream processing	0.3	0.3	0.3	70.0	563.5
2129	Ice cream mfg	0.5	0.2	0.2	114.9	116.6
212	Dairy product mfg n.e.c.	2.2	2.7	2.0	542.2	n.p.
	<i>Total</i>					1,188.0
213	Fruit and vegetable processing	1.7	1.7	1.4	218.2	n.p.
214	Oil and fat mfg	n.p.	n.p.	0.4	n.p.	n.p.
						248.3
2151	Flour mill and cereal food mfg	0.4	0.5	0.5	130.6	164.2
2152	Flour mill product mfg	0.6	0.6	n.p.	92.2	107.2
215	Cereal food and baking mix mfg	1.0	1.1	n.p.	222.8	264.3
	<i>Total</i>					40.0
2161	Bakery product mfg—	2.6	2.9	2.9	247.3	251.6
2162	Bread mfg	n.p.	1.4	1.4	n.p.	266.9
2163	Cake and pastry mfg	n.p.	0.9	1.1	n.p.	n.p.
216	Biscuit mfg	5.0	5.3	5.4	407.7	n.p.
	<i>Total</i>					194.7
2171	Other food mfg—	5.4	5.2	4.6	1,484.3	1,304.1
2172	Sugar mfg	0.1	0.1	0.1	6.4	8.2
2173	Confectionery mfg	0.2	0.4	0.3	26.8	68.0
2174	Seafood processing	1.1	0.9	0.8	239.9	321.9
2179	Prepared animal and bird feed mfg	1.3	1.3	1.5	200.2	235.4
217	Food mfg n.e.c.	8.7	7.9	7.4	1,957.6	223.6
	<i>Total</i>					1,766.2
2181	Beverage and malt mfg—	n.p.	n.p.	1.2	n.p.	1,100.5
2182	Soft drink, cordial and syrup mfg	1.4	1.4	1.3	416.8	447.7
2183	Beer and malt mfg	—	—	n.p.	1.0	435.0
2184	Wine mfg	n.p.	n.p.	n.p.	768.7	n.p.
218	Spirit mfg	2.7	2.8	2.6	802.1	817.3
	<i>Total</i>					3,153.3

For footnotes see end of table.

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, QUEENSLAND, 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)
		1989-90	1990-91	1991-92	1989-90	
219	Tobacco product mfg	n.p.	n.p.	n.p.	n.p.	n.p.
21	Total food, beverage and tobacco mfg	34.7	33.4	31.8	6,890.8	6,950.0
					n.p.	n.p.
					6,840.3	2,300.2
TEXTILE, CLOTHING, FOOTWEAR AND LEATHER MFG						
2211	Textile fibre, yarn and woven fabric mfg	n.p.	n.p.	n.p.	n.p.	n.p.
	Wool scouring	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.
2213	Continent textile mfg	n.p.	n.p.	n.p.	n.p.	n.p.
2214	Wool textile mfg	0.1	—	0.1	—	—
2215	Textile finishing	0.4	—	0.3	—	—
221	Total	0.5	—	0.3	—	—
					36.5	38.2
2221	Textile product mfg	0.5	0.6	0.6	32.1	48.3
2222	Made up textile product mfg	0.2	0.2	0.2	34.3	33.3
2222	Textile floor covering mfg	—	—	—	1.9	3.1
2223	Rope, cordage and twine mfg	0.2	0.1	0.1	7.5	6.5
2229	Textile product mfg n.e.c.	0.8	0.9	0.9	75.8	91.1
222	Total	0.8	0.9	0.9	91.0	91.0
Knitting mills—						
2231	Hosiery mfg	n.p.	n.p.	n.p.	n.p.	n.p.
2232	Cardigan and pullover mfg	n.p.	n.p.	n.p.	n.p.	n.p.
2239	Knitting mill product mfg n.e.c.	0.1	0.1	0.1	11.5	6.7
223	Total	0.1	0.1	0.1	14.7	8.6
					28.8	35.5
2241	Clothing mfg	2.1	1.8	1.5	124.3	113.4
	Men's and boys' wear mfg	1.9	0.9	0.8	—	95.6
2242	Women's and girls' wear mfg	0.5	0.6	0.6	n.p.	n.p.
2243	Sleepwear, underwear and infant clothing mfg	0.7	0.8	1.0	n.p.	n.p.
2249	Clothing mfg n.e.c.	4.3	4.7	3.8	38.8	64.1
224	Total	4.3	4.7	3.8	263.6	253.7
					262.6	253.7
225	Footwear mfg	0.4	0.3	0.3	24.8	27.7
					27.7	20.9
2261	Leather and leather product mfg	0.4	0.4	0.4	77.2	96.6
2262	Leather tanning and far dressing	0.1	0.2	0.1	6.1	9.4
226	Lather and leather substitute product mfg	0.5	0.6	0.5	83.3	106.0
	Total	0.5	0.6	0.5	83.3	106.0
					83.3	106.0
22	Total textile, clothing, footwear and leather mfg	6.5	6.4	6.0	507.7	548.4
					520.7	545.6

For footnotes see end of table.

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, QUEENSLAND, 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)	
		1989-90	1991-92	1989-90	1991-92	1989-90	1991-92
WOOD AND PAPER PRODUCT MFG—							
2311	Log sawmilling and timber dressing—	{	2.4	2.6	208.6	225.2	270.9
2312	Log sawmilling			0.5	0.4	63.8	51.1
2312	Wood chipping		3.0	3.1	272.4	289.5	322.0
2313	Timber resawing and dressing						
231	<i>Total</i>						33.1 170.2
Other wood product mfg—							
2321	Plywood and veneer mfg		0.4	0.3	n.p.	40.8	n.p.
2322	Fabricated wood mfg		0.9	0.7	0.8	142.0	128.0
2323	Wooden structural component mfg		3.6	3.5	3.4	310.0	328.4
2329	Wood product mfg n.e.c.		0.8	0.7	n.p.	51.7	60.1
232	<i>Total</i>		5.7	5.2	544.5	548.7	568.5 229.9
Paper and paper product mfg—							
2331	Pulp, paper and paperboard mfg		0.6	0.5	0.7	199.5	206.4
2332	Solid paperboard container mfg		n.p.	n.p.	n.p.	231.3	242.4
2333	Corrugated paperboard container mfg		0.9	0.9	0.9	198.7	n.p. n.p.
2334	Paper bag and sack mfg		n.p.	0.1	0.1	n.p.	21.3 21.1
2339	Paper product mfg n.e.c.		0.2	0.1	n.p.	466.3	n.p. n.p.
233	<i>Total</i>		2.0	1.7	2.0	478.0	564.2 333.7
23	<i>Total wood and paper product mfg</i>		10.6	10.2	10.2	1,283.3	1,454.7 613.5
PRINTING, PUBLISHING AND RECORDED MEDIA							
Printing and services to printing—							
2411	Paper stationery mfg		0.5	0.6	0.4	57.2	86.8
2412	Printing		4.9	3.7	3.8	395.2	333.8
2413	Services to printing		0.5	0.5	0.5	28.3	33.5
241	<i>Total</i>		5.8	4.7	4.7	480.7	447.1 223.7
Publishing—							
2421	Newspaper printing or publishing		4.8	5.3	4.7	464.5	471.4
2422	Other periodical publishing		0.3	0.6	{ 0.3	30.8	21.9 28.8
2423	Book and other publishing			5.1	{ 0.2	495.2	51.2 522.1
242	<i>Total</i>				5.3		
243	<i>Recorded media manufacturing and publishing</i>						
24	<i>Total printing, publishing and recorded media</i>		10.9	10.7	10.0	975.9	1,069.3 969.7

For footnotes see end of table.

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

Industry class ANZSIC Code	Description	Employment at end of year (c) ('000)			Turnover (d) (\$m)			Value added (e) (\$m)
		1989-90		1990-91	1991-92		1991-92	
		1989-90	1990-91	1991-92	1991-92	1991-92	1991-92	1989-90
PETROLEUM, COAL, CHEMICAL AND ASSOCIATED PRODUCT MFG...								
251	Petroleum refining	0.6	n.p.	0.6	n.p.	4.0	n.p.	5.1
252	Petroleum and coal product mfg n.e.c.	—	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
253	Basic chemical mfg	0.6	n.p.	0.5	n.p.	n.p.	n.p.	n.p.
2531	Fertiliser mfg	0.9	0.3	0.3	n.p.	n.p.	n.p.	n.p.
2532	Industrial gas mfg	n.p.	0.4	0.4	103.5	72.1	n.p.	39.2
2533	Synthetic resin mfg	0.4	0.1	0.1	n.p.	n.p.	n.p.	5.4
2534	Organic industrial chemical mfg n.e.c.	0.1	0.2	0.3	n.p.	88.2	n.p.	n.p.
2535	Inorganic industrial chemical mfg n.e.c.	0.2	0.3	0.4	n.p.	129.2	n.p.	n.p.
253	Total	1.5	2.0	1.6	418.8	476.7	124.4	284.8
254	Other chemical product mfg—	0.3	0.3	0.3	n.p.	124.2	155.8	155.8
2541	Explosive mfg	1.0	1.0	0.9	239.8	253.3	97.3	97.3
2542	Paint mfg	0.4	0.4	0.5	n.p.	251.6	251.6	251.6
2543	Medicinal and pharmaceutical product mfg	0.1	0.2	0.1	n.p.	40.4	74.2	74.2
2544	Pesticide mfg	0.4	0.4	0.2	n.p.	87.7	95.0	95.0
2545	Soap and other detergent mfg	n.p.	n.p.	0.2	n.p.	106.3	67.7	67.7
2546	Cosmetic and toiletry preparation mfg	n.p.	0.1	0.1	n.p.	6.5	6.4	6.4
2547	Ink mfg	n.p.	n.p.	0.1	n.p.	n.p.	14.3	14.3
2549	Chemical product mfg n.e.c.	0.1	0.1	0.1	n.p.	16.4	15.1	15.1
254	Total	2.6	2.4	2.3	642.3	661.6	685.5	284.8
255	Rubber product mfg—	0.2	0.2	0.2	n.p.	49.4	46.5	48.5
2551	Rubber tyre mfg	0.3	0.4	0.3	n.p.	22.9	55.6	31.6
2559	Rubber product mfg n.e.c.	0.5	0.6	0.5	n.p.	72.2	52.7	89.1
255	Total	0.7	0.7	0.7	n.p.	0.7	0.7	0.7
256	Plastic product mfg—	0.4	0.4	0.4	n.p.	67.9	55.1	66.4
2561	Plastic blow moulded product mfg	0.5	0.6	0.6	n.p.	117.8	161.7	29.8
2562	Plastic extruded product mfg	0.3	0.4	0.2	n.p.	56.0	174.3	38.2
2563	Plastic bag and film mfg	0.1	0.1	0.1	n.p.	3.5	17.1	n.p.
2564	Plastic product, rigid fibre reinforced, mfg	0.2	0.2	0.3	n.p.	14.8	14.8	1.9
2565	Plastic foam product mfg	1.2	1.1	1.0	n.p.	n.p.	49.5	n.p.
2566	Plastic injection moulded product mfg	2.7	n.p.	n.p.	n.p.	113.9	127.0	100.8
256	Total	2.7	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
25	Total petroleum, coal, chemical and associated product mfg	7.9	8.3	7.6	n.p.	3,127.9	3,193.1	3,572.1
								894.3

For footnotes see end of table.

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, QUEENSLAND, 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)
		1989-90	1990-91	1991-92	1990-91	
NON-METALLIC MINERAL PRODUCT MFG—						
261	<i>Glass and glassy product mfg</i>	0.7	0.7	n.p.	n.p.	<i>118.6</i>
Ceramic mfg—						<i>n.p.</i>
2621	Clay brick mfg	1.1	1.0	1.0	137.1	<i>139.5</i>
2622	Ceramic product mfg	n.p.	n.p.	n.p.	n.p.	<i>04.2</i>
2623	Ceramic tile and pipe mfg	0.1	0.1	n.p.	n.p.	n.p.
2629	Ceramic product mfg n.e.c.	0.3	0.3	0.2	5.0	<i>3.4</i>
<i>Total</i>		1.5	1.4	1.3	16.8	<i>10.3</i>
					<i>150.2</i>	<i>162.4</i>
						<i>167.9</i>
Cement, lime, plaster and concrete product mfg—						
2631	Cement and lime mfg	n.p.	n.p.	n.p.	n.p.	n.p.
2632	Plaster product mfg	n.p.	0.3	0.5	n.p.	n.p.
2633	Concrete slurry mfg	1.0	1.0	1.1	416.4	<i>399.1</i>
2634	Concrete pipe and box culvert mfg	n.p.	n.p.	n.p.	n.p.	<i>447.8</i>
2635	Concrete product mfg n.e.c.	2.1	2.2	2.2	322.7	<i>n.p.</i>
<i>Total</i>		4.7	4.3	5.0	1,139.0	<i>1,277.9</i>
						<i>1,129.9</i>
264	<i>Non-metallic mineral product mfg n.e.c.</i>	0.3	0.5	n.p.	n.p.	<i>58.3</i>
26	<i>Total non-metallic mineral product mfg</i>	7.1	7.3	7.5	1,446.3	1,672.2
METAL PRODUCT MFG—						
Iron and steel mfg—						
2711	Basic iron and steel mfg	1.1	1.2	1.2	411.0	<i>406.4</i>
2712	Iron and steel casting and forging	1.5	1.4	1.4	180.8	<i>163.7</i>
2713	Steel pipe and tube mfg	0.4	0.4	0.4	118.8	<i>154.5</i>
<i>Total</i>		3.0	3.0	3.0	710.6	<i>747.6</i>
Basic non-ferrous metal mfg						
2721	Alumina production	n.p.	n.p.	n.p.	n.p.	n.p.
2722	Aluminium smelting	n.p.	1.0	0.8	n.p.	n.p.
2723	Copper, silver, lead and zinc smelting, refining	1.1	1.0	n.p.	n.p.	n.p.
2729	Basic non-ferrous metal mfg n.e.c.	0.8	0.9	n.p.	n.p.	n.p.
<i>Total</i>		4.0	3.9	3.9	2,614.9	<i>2,595.5</i>
Non-ferrous basic metal product mfg—						
2731	Aluminum rolling, drawing, extruding	n.p.	0.6	n.p.	n.p.	n.p.
2732	Non-ferrous metal rolling, drawing, extruding n.e.c.	n.p.	n.p.	n.p.	n.p.	n.p.
2733	Non-ferrous metal casting	0.1	0.1	0.1	8.9	<i>0.1</i>
<i>Total</i>		0.7	0.7	0.7	136.1	<i>8.2</i>
						<i>125.2</i>
						<i>1,187.7</i>

For footnotes see end of table.

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, QUEENSLAND, 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	
Structural metal product mfg —								
2741	Structural steel fabricating	2.7	3.3	2.6	387.1	509.3	367.4	1,53.5
2742	Architectural aluminium product mfg	3.1	3.0	3.1	383.8	325.9	347.9	80.9
2749	Structural metal product mfg n.e.c.	1.1	1.1	1.0	119.2	124.4	111.3	49.0
<i>274 Total</i>		6.9	7.3	6.7	896.2	959.6	826.6	283.5
Sheet metal product mfg —								
2751	Metal container mfg	0.8	0.9	0.7	196.7	222.9	209.2	82.1
2759	Sheet metal product mfg n.e.c.	1.9	1.8	1.8	213.7	176.2	177.8	79.0
<i>275 Total</i>		2.7	2.8	2.6	410.4	399.1	387.0	161.1
Fabricated metal product mfg —								
2761	Hand tool and general hardware mfg	0.1	0.1	0.1	5.9	2.3	13.5	3.4
2762	Spring and wire product mfg	0.7	0.6	1.0	87.7	81.7	172.3	36.8
2763	Nut, bolt, screw and rivet mfg	0.1	0.1	0.1	6.0	5.4	5.9	3.0
2764	Metal coating and finishing	0.6	0.5	0.6	49.4	43.4	47.6	26.4
2765	Non-ferrous pipe fitting mfg	0.2	0.3	0.2	23.6	21.6	28.1	8.5
2769	Fabricated metal product mfg n.e.c.	2.5	3.1	2.9	184.7	243.8	251.5	104.0
<i>276 Total</i>		4.3	4.6	4.9	357.3	398.2	518.9	189.1
<i>27 Total metal product mfg</i>		21.5	22.4	21.8	5,119.4	5,112.2	4,840.0	1,929.7
MACHINERY AND EQUIPMENT MFG								
2811	Motor vehicle and part mfg	n.p. 1.1	n.p. 1.1	n.p. 1.1	n.p. 110.7	n.p. 114.7	n.p. 111.2	n.p. 43.6
2812	Motor vehicle body mfg	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
2813	Automotive electrical and instrument mfg	2.0	1.5	1.8	159.2	130.9	144.8	79.2
2819	Automotive component mfg n.e.c.	4.7	3.9	4.0	1,094.1	899.3	821.8	355.1
<i>281 Total</i>								
Other transport equipment mfg —								
2821	Shipbuilding	0.2	0.1	0.4	13.7	21.8	35.2	5.5
2822	Boatbuilding	1.7	1.3	1.2	132.1	87.9	102.4	58.6
2823	Railway equipment mfg	3.3	3.5	0.5	207.2	72.5	86.9	37.6
2824	Aircraft mfg	0.5	0.5	0.5	42.9	37.4	41.2	14.2
2829	Transport equipment mfg n.e.c.	0.1	—	5.1	2.5	3.3	2.1	—
<i>282 Total</i>		5.7	—	2.6	407.0	222.7	269.0	277.9
Photographic and scientific equipment mfg								
2831	Photographic and optical goods mfg	0.1	0.1	0.1	7.2	10.0	8.4	3.6
2832	Medical and surgical equipment mfg	0.5	0.5	0.6	34.9	38.4	49.9	17.2
2839	Professional and scientific equipment mfg n.e.c.	0.1	0.1	0.1	13.1	2.9	5.3	7.0
<i>283 Total</i>		0.8	0.7	0.8	55.2	57.3	57.3	27.8

For footnotes see end of table.

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, QUEENSLAND, 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)
		1989-90	1990-91	1991-92	1992-93	
2841	Electronic equipment mfg.— Computer and business machine mfg.	0.1	0.2	0.2	11.2	23.7
2842	Telecommunication, broadcasting and transceiving equipment mfg.	0.1	0.2	0.1	5.6	27.5
2849	Electronic equipment mfg. n.e.c.	0.4	0.4	0.4	43.0	35.5
284	<i>Total</i>	0.6	0.9	0.8	59.9	86.7
2851	Electrical equipment and appliance mfg.— Household appliance mfg.	0.4	0.8	0.8	45.1	117.3
2852	Electric cable and wire mfg.	n.p.	n.p.	n.p.	n.p.	125.5
2853	Battery mfg.	0.5	0.5	0.5	n.p.	17.1
2854	Electric light and sign mfg.	0.4	0.4	0.3	n.p.	n.p.
2859	Electrical equipment mfg. n.e.c.	1.8	1.9	1.4	n.p.	n.p.
285	<i>Total</i>	3.7	3.5	2.8	166.6	167.2
2861	Industrial machinery and equipment mfg.— Agricultural machinery mfg.	2.1	1.9	1.8	244.8	179.6
2862	Mining and construction machinery mfg.	0.9	0.7	0.6	108.2	182.0
2863	Food processing machinery mfg.	0.4	0.5	0.4	61.9	72.3
2864	Machine tool and part mfg.	0.4	0.4	0.4	39.3	84.7
2865	Lifting and material handling equipment mfg.	0.9	0.8	0.8	126.1	46.2
2866	Pump and compressor mfg.	0.3	0.2	0.2	111.2	49.9
2867	Commercial space heating and cooling equipment mfg.	0.1	0.1	0.1	102.0	35.6
2869	Industrial machinery and equipment mfg. n.e.c.	1.2	1.2	1.2	7.9	36.3
286	<i>Total</i>	6.3	5.7	5.7	77.9	18.5
28	<i>Total machinery and equipment mfg.</i>	21.2	17.1	16.6	2,681.9	1,237.9
OTHER MANUFACTURING—					2,260.1	2,234.4
2911	Prefabricated building mfg.	0.7	0.4	0.4	110.1	62.0
2919	Prefabricated metal building mfg.	0.4	0.1	0.1	51.7	n.p.
291	<i>Total</i>	1.1	0.5	0.6	161.8	78.3
2921	Furniture mfg.—	5.3	5.3	5.1	380.0	382.9
2922	Wooden furniture and upholstered seat mfg.	0.5	0.3	0.2	59.0	95.5
2923	Sheet metal furniture mfg.	0.6	0.4	0.4	59.5	38.2
2929	Mattress mfg. (except rubber)	0.6	0.3	0.4	42.1	42.4
292	<i>Total</i>	6.9	6.2	6.3	540.7	484.4
	For footnotes see end of table.				516.9	249.7

TABLE 10: MANUFACTURING ESTABLISHMENTS (a): SELECTED OPERATIONAL STATISTICS BY INDUSTRY CLASS, QUEENSLAND, 1989–90 TO 1991–92 (b) *continued*

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	
Miscellaneous manufacturing—						
2941	Jewellery and silverware mfg	0.3	{	0.2	19.7	18.2
2942	Toy and sporting good mfg	0.4	{	0.3	{	26.2
2949	Manufacturing n.c.c.	1.2	{	1.4	{	104.7
394	<i>Total</i>	2.0	1.8	2.0	137.0	149.2
29	<i>Total other manufacturing</i>	<i>16.0</i>	<i>8.5</i>	<i>8.8</i>	<i>669.9</i>	<i>744.4</i>
21–29	TOTAL MANUFACTURING	130.4	123.9	120.2	22,872.6	22,962.6
						8,553.4

(a) See paragraph 8 of the Explanatory Notes. (b) For comparability of data over the nine periods shown, see paragraphs 15 and 16 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.

SCOPE AND COVERAGE

- 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.

	10 Data contained in this publication relate to all manufacturing businesses which operated in Queensland 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.
STANDARD UNITS	11 For the definition of the standard units now in use, see the Glossary.
RELIABILITY OF ESTIMATES	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.
	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 5% or less for Queensland estimates, as can be seen from the relative standard errors for the indicative data items contained in table 9 of this publication.
	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.
COMPARABILITY WITH PREVIOUS STATISTICS	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.
	16 The combining of railway workshop locations (primary to ANSIC class 2823) with rail transport locations (primary to ANSIC class 6200) to form establishments primary to Division I: Transport and storage (that is, out of scope of this collection) has affected time series statistics for years up to the 1990-91 census for subdivision 28. However, from the 1992-93 collection, some of these railway workshop locations have once again been made separate manufacturing establishments (primary to ANSIC class 2823).

GROSS PRODUCT AT FACTOR COST

17 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.

18 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).

19 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).

20 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

21 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

22 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

23 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

24 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

25 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

26 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

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

BACK DATA AND UNPUBLISHED STATISTICS

28 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.

29 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 to 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

30 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 border="0"> <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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29	Other manufacturing																		
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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