

Embargoed until 10:45am – 16 March 2009

Economic Survey of Manufacturing: December 2008 quarter

Highlights

For the December 2008 quarter compared with the September 2008 quarter:

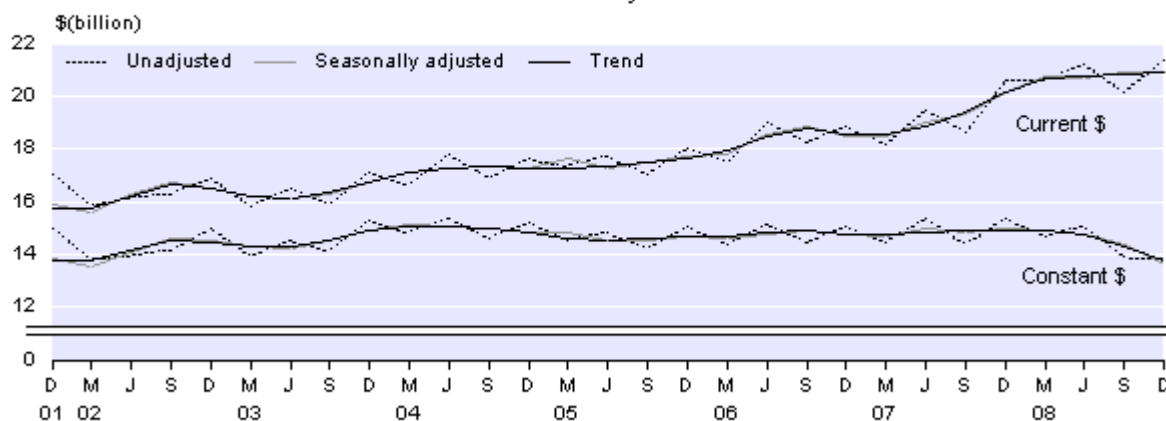
Volumes (seasonally adjusted)

- Manufacturing sales fell 5.4 percent, the fourth consecutive quarterly fall.
- Excluding meat and dairy product manufacturing, sales fell 5.1 percent.
- Meat and dairy industry sales fell 6.0 percent.

Values (seasonally adjusted)

- Manufacturing sales were flat.
- Excluding meat and dairy product manufacturing, sales decreased 1.2 percent.
- Meat and dairy industry sales rose 5.3 percent.

Total Manufacturing Sales
Current and constant dollars ⁽¹⁾
Quarterly



(1) Constant dollar series (volumes) are at December 1997 quarter prices.

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Government Statistician

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See also [Economic Survey of Manufacturing: December 2008 quarter – Media release](#).

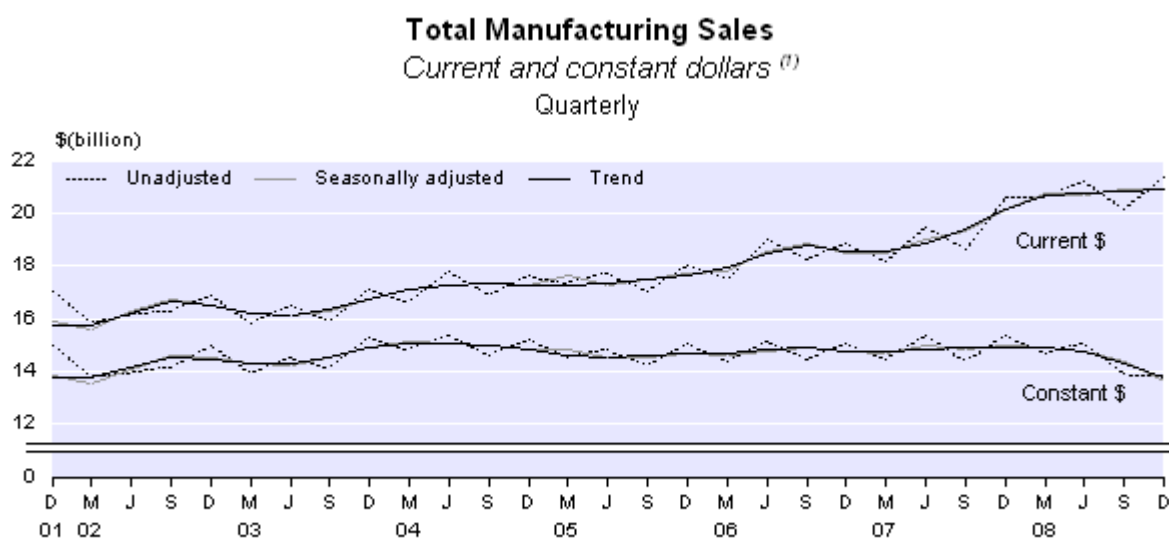
Commentary

All references to sales movements are seasonally adjusted unless otherwise stated.

All manufacturing industries

The volume of manufacturing sales fell 5.4 percent in the December 2008 quarter. This is the fourth consecutive quarterly fall and is the largest fall since the series began in 1994. However, increased volatility in this series in recent quarters should be taken into consideration with regard to the magnitude of this latest fall. The series is now at its lowest level since the March 2002 quarter.

Volumes are calculated by removing the effect of price changes from values.



(1) Constant dollar series (volumes) are at December 1997 quarter prices.

Decreases in sales volumes occurred in 12 of the 15 published industries in the December 2008 quarter. The largest decrease was in the meat and dairy product manufacturing industry (down 6.0 percent), followed by the petroleum and industrial chemical manufacturing industry (down 30 percent), the basic metal manufacturing industry (down 28 percent), and the transport equipment manufacturing industry (down 18 percent).

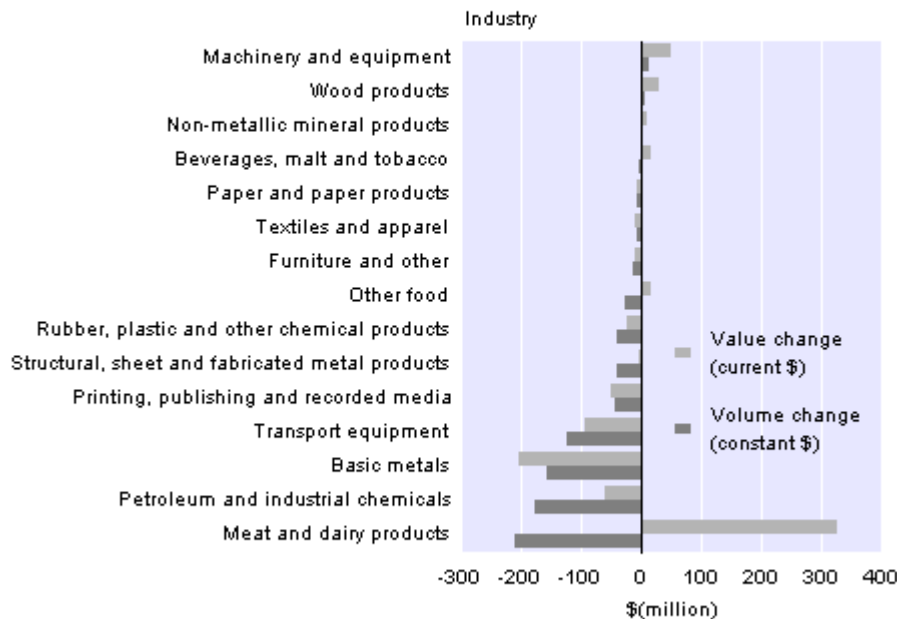
Minor increases in sales volumes occurred in three published industries in the December 2008 quarter. The largest increase was in the machinery and equipment manufacturing industry (up 0.9 percent).

Although the volume of sales was down, increased prices for dairy products, fertilisers and chemicals, and transport equipment helped keep the overall sales value flat in the December 2008 quarter. The meat and dairy product manufacturing industry had the largest increase (up \$326 million) but this was offset by decreases in other industries, particularly the basic metal manufacturing industry, which fell by \$203 million.

Changes in Seasonally Adjusted Manufacturing Sales

In current and constant dollars ⁽¹⁾

September 2008 quarter to December 2008 quarter

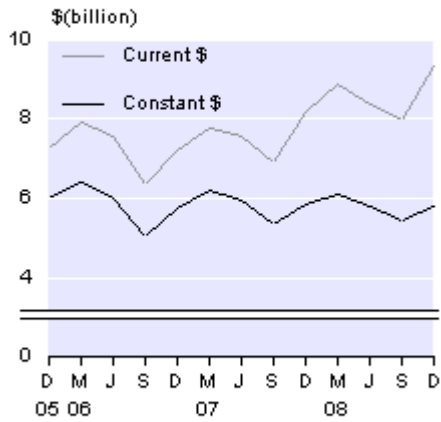


(1) Constant dollar series (volumes) are at December 1997 quarter prices.

The trend for the sales volume shows a decline of 8.0 percent over the latest three quarters, while the trend for the sales value continues to rise.

Stocks of finished goods, which are not seasonally adjusted, were down 1.3 percent in volume for the December 2008 quarter compared with the December 2007 quarter. With price changes included, the value was up 14 percent (\$1,148 million) from the December 2007 quarter. The meat and dairy product manufacturing industry was the main contributor to these movements.

Total Manufacturing Stocks⁽¹⁾
Current and constant dollars⁽²⁾
 Quarterly

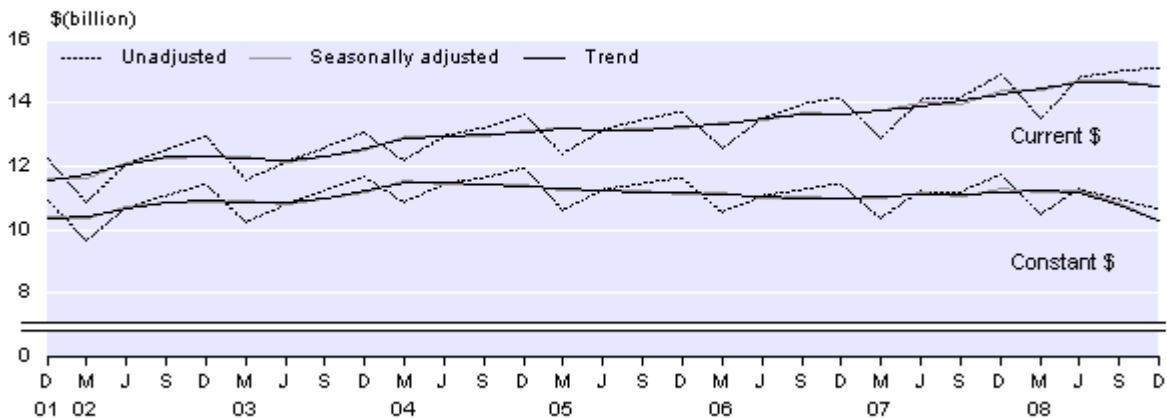


(1) Closing stocks of finished goods.
 (2) Constant dollar series (volumes) are at December 1997 quarter prices.

All manufacturing excluding meat and dairy product manufacturing

The volume of sales, excluding meat and dairy product manufacturing, fell 5.1 percent in the December 2008 quarter, following a fall of 3.5 percent in the September 2008 quarter. Three industries contributed the bulk of the latest fall: petroleum and industrial chemicals, basic metals, and transport equipment. The main rise, which was minor compared with the falls, was for the machinery and equipment manufacturing industry.

Manufacturing Sales Excluding Meat and Dairy Product Manufacturing
Current and constant dollars⁽¹⁾
 Quarterly



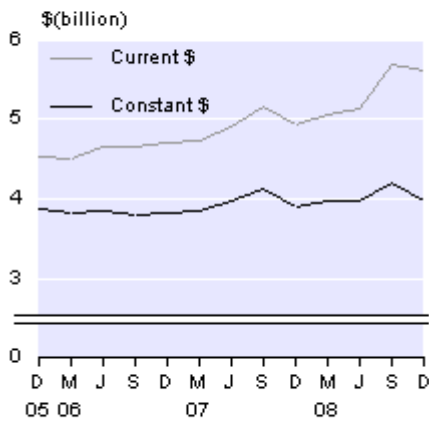
(1) Constant dollar series (volumes) are at December 1997 quarter prices.

The value of sales fell 1.2 percent (\$178 million) in the December 2008 quarter, having been flat in the September 2008 quarter. Basic metal manufacturing (down \$203 million), and transport equipment manufacturing (down \$93 million) had the largest falls in sales value in the December 2008 quarter, while machinery and equipment manufacturing (up \$50 million) showed the largest rise.

The trend for the sales volume shows a decline of 8.3 percent for the latest three quarters, while the trend for the sales value shows a fall for the latest quarter.

Stocks of finished goods, which are not seasonally adjusted, were up 2.4 percent in volume for the December 2008 quarter compared with the December 2007 quarter. With price changes included, the value was up 14 percent (\$672 million) from the December 2007 quarter.

**Manufacturing Stocks⁽¹⁾
Excluding Meat and Dairy**
Current and constant dollars⁽²⁾
Quarterly

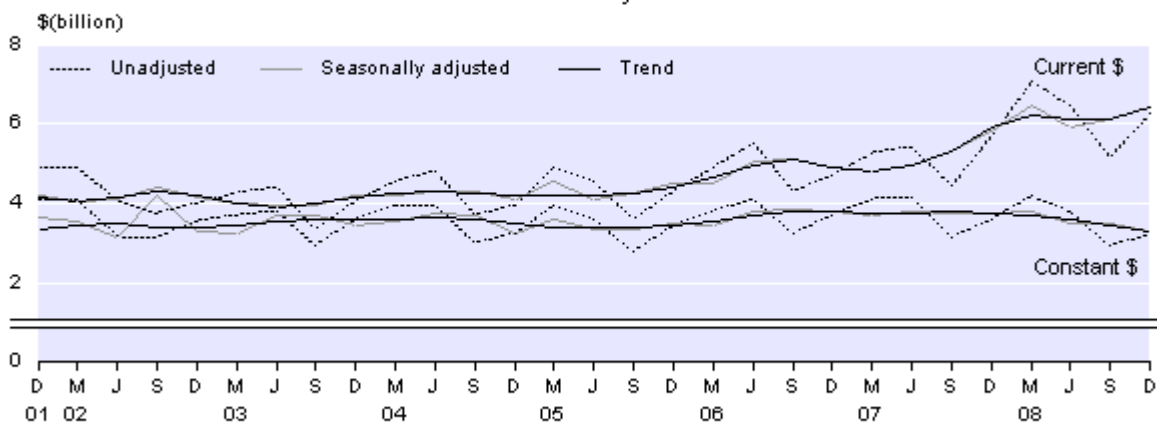


(1) Closing stocks of finished goods.
(2) Constant dollar series (volumes) are at December 1997 quarter prices.

Meat and dairy product manufacturing

The volume of sales for the meat and dairy product manufacturing industry fell 6.0 percent in the December 2008 quarter, after falling 0.3 percent in the previous quarter.

Meat and Dairy Product Manufacturing Sales
Current and constant dollars⁽¹⁾
Quarterly



(1) Constant dollar series (volumes) are at December 1997 quarter prices.

A sales value increase of 5.3 percent (\$326 million) was recorded in the December 2008 quarter, following a 3.2 percent increase in the previous quarter. Part of the latest sales increase was due to a reclassification of some activity from primary product food wholesaling to manufacturing.

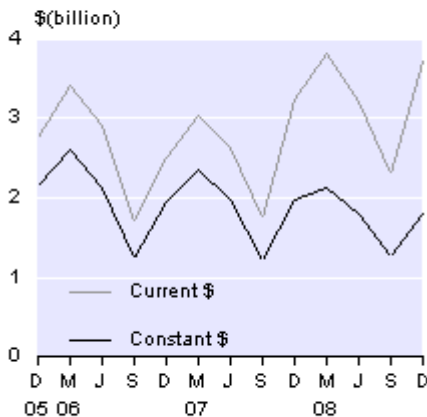
Meat prices, as measured by the Producers Price Index, dipped 1.1 percent in the December 2008 quarter, while dairy prices, largely due to lower currency exchange rates, surged 19 percent.

The trend for the sales volume shows a decline of 12 percent for the latest five quarters, while the trend for the sales value shows rises for the latest two quarters.

Stocks of finished goods, which are not seasonally adjusted, were down 8.7 percent in volume for the December 2008 quarter compared with the December 2007 quarter. With price changes included, the value was up 15 percent (\$475 million) from the December 2007 quarter, reflecting the impact of prices rises when expressed in New Zealand currency.

Stocks in this industry typically rise in the December and March quarters then fall in the following two quarters.

**Meat and Dairy Product
Manufacturing Stocks⁽¹⁾**
Current and constant dollars⁽²⁾
Quarterly



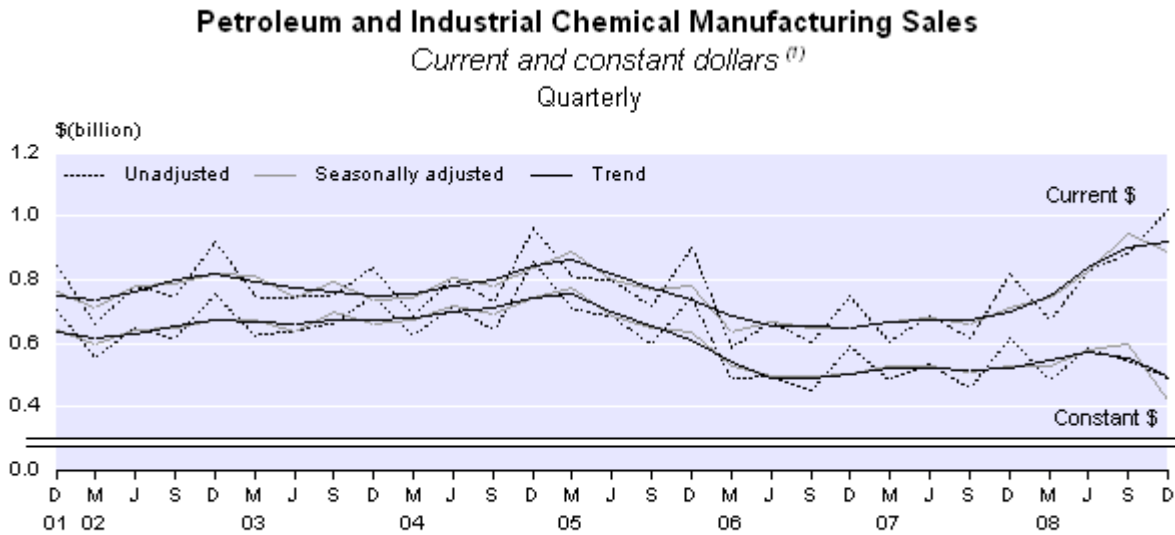
(1) Closing stocks of finished goods.

(2) Constant dollar series (volumes) are at December 1997 quarter prices.

Petroleum and industrial chemical manufacturing

The petroleum and industrial chemical manufacturing industry includes petroleum refining, petroleum and coal product manufacturing, and fertiliser and other industrial chemical manufacturing.

The volume of sales for this industry fell 30 percent in the December 2008 quarter, following rises totalling 18 percent in the previous four quarters. The series, which began in 1994, is now at its lowest level.



(1) Constant dollar series (volumes) are at December 1997 quarter prices.

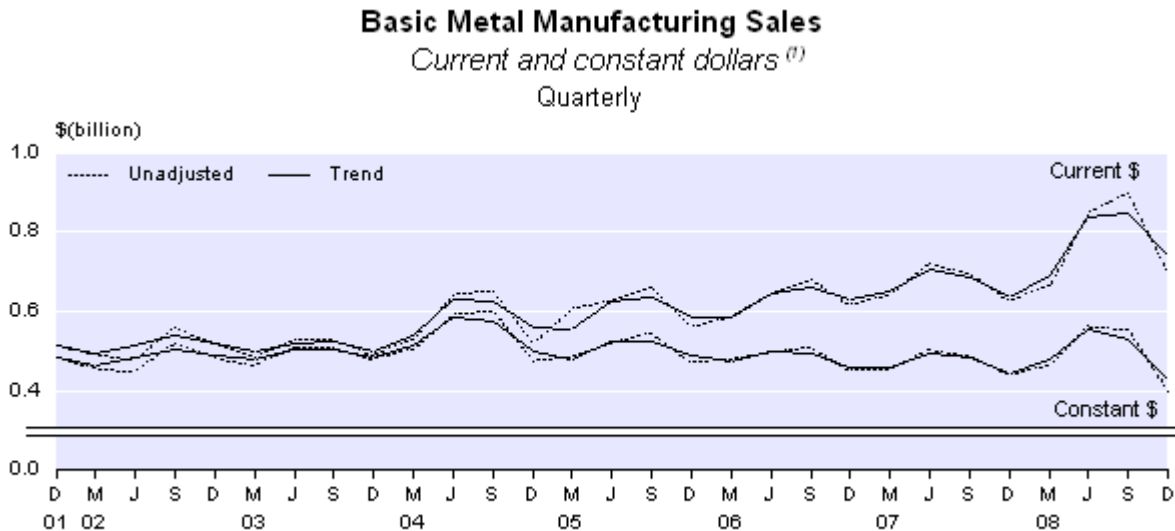
The value of sales fell 6.1 percent (\$58 million) in the December 2008 quarter, following a rise of 43 percent during the previous four quarters. Price movements have had a big impact on the latest two quarters. Output prices, as measured by the Producers Price Index, jumped 27 percent in the December 2008 quarter, following a rise of 15 percent in the previous quarter.

The trend for the sales volume shows a decline for the latest two quarters, while the trend for the sales value shows a rise for the latest eight quarters.

Basic metal manufacturing

The basic metal manufacturing industry includes the manufacture of iron and steel, basic non-ferrous metals, and non-ferrous basic metal products. Sales by this industry do not have a stable seasonal pattern, so are not seasonally adjusted.

The volume of sales for this industry fell 28 percent in the December 2008 quarter, following a fall of 1.8 percent in the September 2008 quarter.



(1) Constant dollar series (volumes) are at December 1997 quarter prices.

The value of sales fell 23 percent (\$203 million) in the December 2008 quarter, following a rise of 6.2 percent in the September 2008 quarter. Output prices, as measured by the Producers Price Index, rose 7.6 percent in the December 2008 quarter and 8.1 percent in the September 2008 quarter.

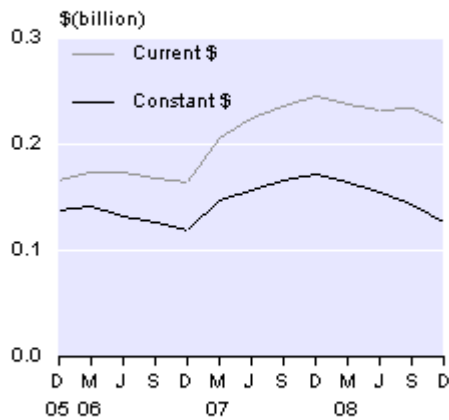
The trend for the sales volume shows a decline for the latest two quarters, while the trend for the sales value shows a fall for the latest quarter.

Stocks of finished goods, which are not seasonally adjusted, were down 26 percent in volume for the December 2008 quarter compared with the December 2007 quarter. With price changes included, the value was down 10 percent (\$25 million) from the December 2007 quarter.

Basic Metal Manufacturing Stocks ⁽¹⁾

Current and constant dollars ⁽²⁾

Quarterly



(1) Closing stocks of finished goods.

(2) Constant dollar series (volumes) are at December 1997 quarter prices.

Transport equipment manufacturing

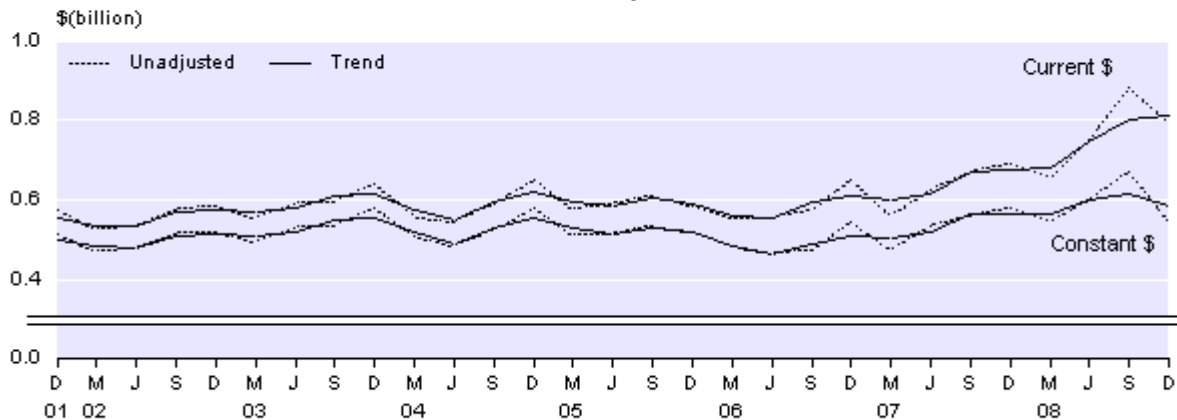
The transport equipment manufacturing industry includes the manufacture and repair of a variety of transport equipment including ships, locomotives and aircraft. Sales by this industry do not have a stable seasonal pattern, so are not seasonally adjusted.

The volume of sales for this industry fell 18 percent in the December 2008 quarter, following rises of 11 percent in each of the previous two quarters.

Transport Equipment Manufacturing Sales

Current and constant dollars ⁽¹⁾

Quarterly



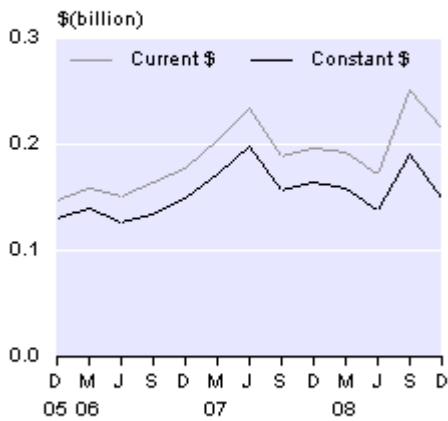
(1) Constant dollar series (volumes) are at December 1997 quarter prices.

The value of sales fell 10 percent (\$93 million) in the December 2008 quarter, following rises of 18 percent and 14 percent in the September and June 2008 quarters, respectively. Output prices, as measured by the Producers Price Index, rose 11 percent in the December 2008 quarter and 6.5 percent in the September 2008 quarter.

The trend for the sales volume shows a decline for the latest quarter after rising for two quarters. The trend for the sales value shows a rise for the latest seven quarters.

Stocks of finished goods, which are not seasonally adjusted, were down 9.4 percent in volume for the December 2008 quarter compared with the December 2007 quarter. With price changes included, the value was up 9.7 percent (\$19 million) from the December 2007 quarter.

**Transport Equipment
Manufacturing Stocks⁽¹⁾**
Current and constant dollars⁽²⁾
Quarterly



(1) Closing stocks of finished goods.

(2) Constant dollar series (volumes) are at December 1997 quarter prices.

Revisions

Some imputed data in the September 2008 quarter has been replaced by recently received data. This has resulted in revisions to three industries, particularly the meat and dairy product manufacturing industry. These revisions have had a flow-on effect on higher-level series and on seasonally adjusted and trend series. The main changes are to purchases and closing stocks of finished goods, as shown below.

Industry	Variable	Series MANQ.	Period (quarter)	Published 15 Dec 2008	Published 16 Mar 2009
				\$(million)	
Meat and dairy	Purchases	<i>SNMCZ1B</i>	Sep 2008	4,396	4,170
Meat and dairy	Stocks	<i>SNMCZ1E</i>	Sep 2008	2,109	2,294
All manufacturing	Purchases	<i>SNMCZZB</i>	Sep 2008	15,025	14,802
All manufacturing	Stocks	<i>SNMCZZE</i>	Sep 2008	7,779	7,969

Measurement errors

The Economic Survey of Manufacturing applies imputation methods for estimating values for small firms and non-response, and, like all statistical surveys, is subject to measurement errors, including sample errors and non-sample errors. These measurement errors affect the accuracy of the published statistics. For more information on measurement errors, please refer to the Technical notes of this release.

Sample errors

The postal survey was designed to give statistics at the following levels of accuracy (at the 95 percent confidence interval limit):

- 5 percent for sales, salaries and wages, and value added at the total manufacturing level
- 10 percent for sales, salaries and wages, and value added at the published industry level, where value added is calculated as follows:

$$\text{value added} = \text{sales} - \text{purchases} + \text{stock change}$$

This means, for example, that there is a 95 percent chance that the true value of total manufacturing sales lies within 5 percent of the published estimate.

Sample errors are calculated each quarter for absolute values and for changes in value from the previous quarter.

The sample errors for the December 2008 quarter, at the 95 percent confidence interval limit, are:

Industry	Sample error for sales	Sample error for change in sales
	Percent	
Meat and dairy product manufacturing	0.0	0.0
Other food manufacturing	9.2	9.3
Beverage, malt and tobacco manufacturing	0.0	0.0
Textile and apparel manufacturing	5.7	2.3
Wood product manufacturing	4.4	5.1
Paper and paper product manufacturing	0.0	0.0
Printing, publishing and recorded media	5.6	5.4
Petroleum and industrial chemical manufacturing	0.0	0.0
Rubber, plastic and other chemical product manufacturing	14.5	10.2
Non-metallic mineral product manufacturing	4.2	2.3
Basic metal manufacturing	0.0	0.0
Structural, sheet and fabricated metal product manufacturing	3.8	3.3
Transport equipment manufacturing	12.4	14.8
Machinery and equipment manufacturing	3.2	3.4
Furniture and other manufacturing	5.2	2.9
Total manufacturing	1.5	1.6

Industries with zero sample error are full-coverage industries. In these industries all large firms are surveyed and all small- to medium-sized firms are modelled using administrative data from Inland Revenue.

Imputation

Small firms

Small- to medium-sized firms are generally not surveyed. Their variables are instead modelled from administrative data from Inland Revenue. Ratios calculated from the postal sample responses are applied to the administrative data to provide estimated values.

Non-response imputation

Although attempts are made to achieve a 100 percent response rate, in practice this does not occur. Values for non-responding businesses are estimated using a range of methods, including:

- regression imputation
- historic imputation
- mean imputation.

Regression imputation involves estimating the variable of interest from the unit's administrative data (GST sales), based on the relationship shown by similar businesses. Historic imputation involves multiplying their response in the previous period by a non-response factor. The non-response factor is the average movement over the quarter of similar businesses. Mean imputation involves estimating a value for a unit by using the average value for a set of similar businesses.

The table below shows percentages of sales imputed in the December 2008 quarter:

Industry	Non-response	Tax modelled
	Percentage of sales	
Meat and dairy product manufacturing	0.8	2.8
Other food manufacturing	11.4	5.4
Beverage, malt and tobacco manufacturing	2.9	4.2
Textile and apparel manufacturing	18.5	16.2
Wood product manufacturing	8.9	8.1
Paper and paper product manufacturing	4.5	0.7
Printing, publishing and recorded media	12.2	10.7
Petroleum and industrial chemical manufacturing	3.1	4.4
Rubber, plastic and other chemical product manufacturing	10.1	6.8
Non-metallic mineral product manufacturing	8.2	6.9
Basic metal manufacturing	4.1	4.5
Structural, sheet and fabricated metal product manufacturing	21.1	10.9
Transport equipment manufacturing	14.0	9.0
Machinery and equipment manufacturing	16.3	11.5
Furniture and other manufacturing	15.2	22.9
Total manufacturing	8.1	6.6

Response rate

The response rate applies to the postal sample and gives the proportion of sales obtained from survey responses (compared with being imputed). The Economic Survey of Manufacturing has a target response rate of 85 percent. The response rate achieved for the December 2008 quarter was 91 percent.

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Next release ...

Economic Survey of Manufacturing: March 2009 will be released on 15 June 2009

Technical notes

Background to the survey

The Economic Survey of Manufacturing (QMS) is designed to provide short-term economic indicators for the manufacturing sector. In addition, the data is used to compile the manufacturing sector component of quarterly national accounts. The survey was last redesigned in the June 2001 quarter.

Population

The target population for this survey is all kind-of-activity units (KAUs) operating in New Zealand that are classified as Manufacturing (Australian and New Zealand Standard Industrial Classification Division C) on Statistics New Zealand's Business Frame.

Sample design

The survey population is stratified according to:

- industries defined by the ANZSIC-based ANZIND classification at the working industry level
- size (in terms of rolling mean employment)
- turnover (annualised GST sales).

Each ANZIND working industry division contains between two and four substrata. Because of the contribution large units make to the economic activity within each industry group, they are all included in the sample. A portion of the remaining medium to large units is also included in the sample. In addition, small- to medium-sized businesses have their data modelled from administrative data (GST and employee monthly schedules) sourced from Inland Revenue. All manufacturing KAUs belonging to a selected 'enterprise' are included.

About 1,600 units have been selected in the postal sample from the entire population, and approximately 17,000 units have their data modelled from tax data.

Sample maintenance

Sample maintenance is the process that maintains the sample over time, to reflect births, deaths and other structural changes identified on the Business Frame. The information for Business Frame changes comes from a variety of sources, including GST registrations and respondent contact.

New enterprises are identified when they register for GST. Once a quarter, the new enterprises are selected into the sample using the same criteria as for the original sample. These are referred to as births. When an enterprise ceases trading, its manufacturing KAUs are removed from the survey. These are referred to as deaths.

Enterprises can also enter or leave the survey sample if they are reclassified from another industry to manufacturing. Reclassifications occur when an enterprise changes its main form of activity (eg from wholesale trade to manufacturing). These are usually identified in the Annual Frame Update Survey conducted in February each year.

Sample reselection

The sample for the QMS is reselected each quarter to ensure that the sample reflects changes occurring in the manufacturing population.

Industry classifications

From the September 2001 quarter, QMS estimates have been published using industries defined by the ANZSIC-based ANZIND classification. The ANZSIC series are the official QMS statistics.

The introduction of ANZSIC ensures the industry classification used by Statistics NZ better reflects contemporary economic activity. It also improves the comparability of statistics produced in New Zealand and Australia.

Measurement errors

Errors in the survey are divided into two classes:

Non-sampling error

Non-sampling error includes errors arising from biases in the patterns of response and non-response, inaccuracies in reporting by respondents, and errors in the recording and coding of data. The size of these errors is difficult to quantify. Data is subject to revision if significant errors are detected in subsequent quarters.

Sampling error

Sampling error is a measure of the variability that occurs by chance because a sample, rather than an entire population, is surveyed.

Definitions

ANZSIC

Australian and New Zealand Standard Industrial Classification.

ANZIND

An ANZSIC-based classification that groups industries for publication.

Business Frame

A register of all economically significant businesses operating in New Zealand. The population of the QMS is drawn from the Business Frame.

Enterprise

A business entity operating in New Zealand either as a legally constituted body such as a company, partnership, trust, local or central government trading organisation, or as a self-employed individual.

Kind-of-activity unit

A subdivision of an enterprise engaged in predominantly one activity and for which a single set of accounting records is available.

Rolling mean employment (RME)

RME is a 12-month moving average of the monthly employee count (EC) figure which replaces the numbers of full-time and part-time employees.

Operating income

Income from total sales. This includes:

- sales of processed goods
- sales of goods purchased for resale
- sales of services
- repair services
- manufacturing and processing fees
- management fees
- rental income
- leasing income
- royalties
- patent fees.

Operating income may contain end-of-year payouts that relate to production from earlier quarters.

Operating income excludes:

- donations
- insurance claims
- subsidies/government grants
- exchange rate gains
- extraordinary items
- gains on sales of fixed assets
- excise duties
- bad debts.

Purchases and operating expenditure

This includes:

- purchases of goods for resale
- purchases of goods and materials for production
- motor vehicle expenses
- electricity and fuels
- management fees
- telecommunication expenses
- charges and fees paid to other businesses/divisions
- general operating expenditure (eg freight, rent)
- royalties
- patent fees.

Purchases and operating expenditure may incorporate payments for materials or services that may relate to quarters other than those in which they are recorded.

Purchases and operating expenditure excludes:

- interest/dividend payments
- sales tax
- excise duties
- fringe benefit tax
- donations
- bad debts
- extraordinary items
- exchange rate losses
- losses on sales of fixed assets
- depreciation.

Salaries and wages

Gross salaries and wages paid to employees during the quarter, excluding salaries and wages to working proprietors, and drawings.

Stocks of raw materials

Closing stocks of raw materials for use in production.

Stocks of finished goods

Closing stocks of finished goods, work in progress and trading stocks.

Additions to fixed assets

This includes purchases of land, and other fixed assets and capital works by own employees. It excludes any revaluation of fixed assets.

Disposals of fixed assets

This includes sales of land or other fixed assets (reported at sale price). It excludes any devaluation of fixed assets.

Use of manufacturing data in quarterly national accounts

A key use of the QMS is in the calculation of manufacturing value added for the compilation of quarterly Gross Domestic Product (GDP).

Base year manufacturing value added is extrapolated using volume indexes. For each ANZSIC division, volume indexes are calculated from deflated sales and the deflated finished goods stock change. Sub-indexes from the Producers Price Index (PPI) are used for deflating QMS sales and finished goods stocks.

QMS data is supplemented with production data for the following industries:

- Meat and dairy product
- Petroleum and industrial chemical
- Basic metal.

Seasonally adjusted series

The X-12-ARIMA package has been used to produce the seasonally adjusted estimates and trend estimates for sales in all subdivisions. Seasonal adjustment aims to eliminate the impact of regular seasonal events (such as annual cycles in agricultural production, winter or annual holidays) on time series. This makes the data for adjacent quarters more comparable.

All seasonally adjusted figures are subject to revision each quarter. This enables the seasonal component to be better estimated and removed from the series.

The X-12-ARIMA seasonal adjustment package is a very robust procedure; however, it has problems when there has been an abrupt change in the seasonal variation, as do other seasonal adjustment packages.

As a result of the restructuring within the dairy industry, there has been a discontinuity in the meat and dairy product and total manufacturing series. The seasonal pattern of the dairy series may have become less closely tied to production cycles due to the removal of the monopsony in the industry. Should this occur, it is likely that the seasonality of the total sales series will also change, as it has been strongly influenced by the seasonality of the meat and dairy series. Therefore, a seasonal movement of a given magnitude in the meat and dairy product and total manufacturing series before June 2002 may not have the same meaning as a seasonal movement of a similar magnitude after June 2002.

Since September 2002 the dairy series have been adjusted to take some account of this expected change in behaviour. There may be further revisions to the meat and dairy, and the total manufacturing series, as further information becomes available which enables Statistics NZ to better quantify the effect of the changes in the dairy industry.

Due to the changes in the meat and dairy series, it has been decided to change the seasonal adjustment method for total sales from direct to indirect. This will allow the series to better respond to changes in the seasonality of the components, and was considered preferable to our usual selection criteria. More information on direct and indirect adjustment is available on our website <http://www.stats.govt.nz/> in the [seasonal adjustment FAQ pages](#).

For further information contact seasonaladjustment@stats.govt.nz.

The trend series are calculated using the X-12-ARIMA seasonal adjustment package. They are based on a five- or seven-term moving average of the seasonally adjusted series, with an adjustment for outlying values.

Trend estimates towards the end of the series incorporate new data as they become available and can therefore change as more observations are added to the series. Revisions can be particularly large if an observation is treated as an outlier in one quarter, but is found to be part of the underlying trend as further observations are added to the series. Typically, only the estimates for the most recent quarter will be subject to substantial revisions.

Volume series

These are value series that have been adjusted by a price index to remove the effect of price changes. They can then be used for measuring quantity change. The volume series, at present, are expressed in December 1997 quarter dollars.

Values are adjusted using sub-indexes from the PPI. These sub-indexes measure price movements in each of the 15 published manufacturing industries, as well as total manufacturing. When the value series are divided by the respective sub-indexes, price effects are removed and a volume measure remains. The PPI sub-indexes are available on [Infoshare](#).

More information

For more information, follow the [link](#) from the Technical notes of this release on the Statistics NZ website.

Estimated trend

For any series, the survey estimates can be broken down into three components: trend, seasonal and irregular. While seasonally adjusted series have had the seasonal component removed, trend series have had both the seasonal and irregular components removed. Trend estimates reveal the underlying direction of movement in a series, and are likely to indicate turning points more accurately than are seasonally adjusted estimates.

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Timed statistical releases are delivered using postal and electronic services provided by third parties. Delivery of these releases may be delayed by circumstances outside the control of Statistics NZ. Statistics NZ accepts no responsibility for any such delays.

Tables

The following tables are printed with this Hot Off The Press and can also be downloaded from the Statistics New Zealand website in Excel format. If you do not have access to Excel, you may use the [Excel file viewer](#) to view, print and export the contents of the file.

1. All manufacturing, ANZSIC division C
2. All manufacturing excluding meat and dairy product manufacturing, ANZSIC division C (excluding ANZSIC C211–C212)
3. Meat and dairy product manufacturing, ANZSIC C211–C212
4. Other food manufacturing, ANZSIC C213–C217
5. Beverage, malt and tobacco manufacturing, ANZSIC C218–C219
6. Textile and apparel manufacturing, ANZSIC C22
7. Wood product manufacturing, ANZSIC C231–C232
8. Paper and paper product manufacturing, ANZSIC C233
9. Printing, publishing, and recorded media manufacturing, ANZSIC C24
10. Petroleum and industrial chemical manufacturing, ANZSIC C251–C253
11. Rubber, plastic and other chemical product manufacturing, ANZSIC C254–C256
12. Non-metallic mineral product manufacturing, ANZSIC C26
13. Basic metal manufacturing, ANZSIC C271–C273
14. Structural, sheet and fabricated metal product manufacturing, ANZSIC C274–C276
15. Transport equipment manufacturing, ANZSIC C281–C282
16. Machinery and equipment manufacturing, ANZSIC C283–C286
17. Furniture and other manufacturing, ANZSIC C29
18. Sales – unadjusted, at December 1997 quarter prices
19. Sales – seasonally adjusted, at December 1997 quarter prices
20. Closing stocks of finished goods, at December 1997 quarter prices

Statistics for the Economic Survey of Manufacturing are also available from our online database [Infoshare](#)

Table 1

**All Manufacturing
ANZSIC Division C**

		Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets	
		Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals
Series ref: MANQ.		SNMCZZA	SNMCZZAS	SNMCZZAT	SNMCZZB	SNMCZZC	SNMCZZD	SNMCZZE	SNMCZZF	SNMCZZG
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	17,121	16,753	16,725	12,366	2,646	2,642	6,290	631	80
2004	Mar	16,685	17,092	17,089	12,327	2,599	2,587	7,013	582	63
	Jun	17,759	17,280	17,281	13,254	2,751	2,761	6,656	568	116
	Sep	16,876	17,325	17,299	12,145	2,630	2,900	5,837	765	88
	Dec	17,598	17,225	17,283	12,940	2,777 R	2,896	6,757	777	53
2005	Mar	17,322	17,673	17,270	12,986	2,692	2,980	7,381	575	194
	Jun	17,696	17,249	17,312	13,138	2,806	3,123	6,990	558	62
	Sep	17,060	17,516	17,474	12,152	2,732	2,860	6,426	750	161
	Dec	18,046	17,678	17,650	13,638	2,746	2,849	7,270	695	175
2006	Mar	17,460	17,796	17,937	12,729	2,764	2,905	7,906	675	104
	Jun	19,034	18,526	18,488	13,601	2,900	2,919	7,568	708	177
	Sep	18,245	18,863	18,775	13,184	2,830	2,932	6,329	712	132
	Dec	18,866	18,484	18,560	13,818	2,929	2,902	7,190	579	59
2007	Mar	18,174	18,481	18,536	13,057	2,820	2,872	7,773	600	113
	Jun	19,464	18,970	18,873	14,421	2,966	2,980	7,547	732	182
	Sep	18,633	19,301	19,402	13,275	2,913	3,064	6,899	734	240
	Dec	20,616	20,149	20,149	15,356	3,023	2,905	8,151	680	194
2008	Mar	20,580	20,785	20,675	15,700	2,986	3,027	8,873	638	190
	Jun	21,224	20,647	20,755	16,208	3,160	3,156	8,343	674	141
	Sep	20,106 R	20,919	20,789	14,802 R	3,003 R	3,304 R	7,969 R	1,066 R	219 R
	Dec	21,355	20,913	20,937	15,234	3,095	3,444	9,298	959	137
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	3.4	-2.0	-1.1	4.8	3.5	-1.0	13.6	-18.8	-55.3
2007	Mar	-3.7	0.0	-0.1	-5.5	-3.7	-1.0	8.1	3.7	92.0
	Jun	7.1	2.6	1.8	10.5	5.2	3.8	-2.9	22.0	61.4
	Sep	-4.3	1.7	2.8	-8.0	-1.8	2.8	-8.6	0.3	31.5
	Dec	10.6	4.4	3.8	15.7	3.8	-5.2	18.1	-7.4	-19.1
2008	Mar	-0.2	3.2	2.6	2.2	-1.2	4.2	8.9	-6.2	-1.8
	Jun	3.1	-0.7	0.4	3.2	5.8	4.3	-6.0	5.6	-25.8
	Sep	-5.3 R	1.3	0.2	-8.7 R	-5.0 R	4.7 R	-4.5 R	58.2 R	54.8 R
	Dec	6.2	0.0	0.7	2.9	3.1	4.2	16.7	-10.1	-37.1
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	9.3	9.0	8.6	11.1	3.2	0.1	13.4	17.5	229.4
2008	Mar	13.2	12.5	11.5	20.2	5.9	5.4	14.2	6.3	68.5
	Jun	9.0	8.8	10.0	12.4	6.5	5.9	10.6	-8.0	-22.5
	Sep	7.9 R	8.4	7.1	11.5 R	3.1 R	7.8 R	15.5 R	45.2 R	-8.8 R
	Dec	3.6	3.8	3.9	-0.8	2.4	18.5	14.1	41.0	-29.1

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbol:

R revised

Table 2

All Manufacturing Excluding Meat and Dairy Product Manufacturing
ANZSIC Division C (excluding ANZSIC C211–C212)

Series ref: MANQ.	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
	SNMCZ3A	SNMCZ3AS	SNMCZ3AT	SNMCZ3B	SNMCZ3C	SNMCZ3D	SNMCZ3E	SNMCZ3F	SNMCZ3G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	13,080	12,514	12,574	8,843	2,262	2,356	4,043	510	75
2004	Mar	12,162	12,955	12,858	8,299	2,142	2,289	4,174	.. C	.. C
	Jun	12,948	12,964	12,974	8,936	2,289	2,428	4,235	.. C	.. C
	Sep	13,202	12,962	12,992	9,166	2,275	2,525	4,509	.. C	.. C
	Dec	13,663	13,112	13,102	9,410	2,374 R	2,551	4,436	596	50
2005	Mar	12,404	13,195	13,167	8,626	2,220	2,555	4,450	.. C	.. C
	Jun	13,134	13,125	13,162	9,080	2,352	2,692	4,512	.. C	.. C
	Sep	13,446	13,195	13,163	9,369	2,361	2,629	4,796	.. C	.. C
	Dec	13,732	13,199	13,233	9,571	2,378	2,598	4,521	.. C	.. C
2006	Mar	12,562	13,367	13,336	8,806	2,287	2,665	4,497	.. C	.. C
	Jun	13,508	13,468	13,511	9,348	2,402	2,685	4,655	.. C	.. C
	Sep	13,928	13,689	13,626	9,721	2,427	2,674	4,642	.. C	.. C
	Dec	14,172	13,631	13,668	9,734	2,475	2,644	4,690	.. C	.. C
2007	Mar	12,902	13,746	13,773	8,968	2,283	2,622	4,737	.. C	.. C
	Jun	14,055	13,985	13,898	9,768	2,472	2,748	4,914	598	167
	Sep	14,170	13,928	14,054	9,886	2,508	2,828	5,153	.. C	.. C
	Dec	14,924	14,363	14,252	10,149	2,561	2,688	4,926	.. C	.. C
2008	Mar	13,506	14,400	14,487	9,473	2,404	2,778	5,051	.. C	.. C
	Jun	14,779	14,691	14,643	10,431	2,597	2,935	5,136	.. C	.. C
	Sep	14,947 R	14,693	14,664	10,631 R	2,565 R	3,041 R	5,675 R	835 R	127 R
	Dec	15,077	14,515	14,548	10,309	2,592	3,149	5,598	.. C	.. C
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	1.8	-0.4	0.3	0.1	2.0	-1.1	1.0	..	..
2007	Mar	-9.0	0.8	0.8	-7.9	-7.8	-0.9	1.0	..	..
	Jun	8.9	1.7	0.9	8.9	8.3	4.8	3.7	..	..
	Sep	0.8	-0.4	1.1	1.2	1.4	2.9	4.9	..	..
	Dec	5.3	3.1	1.4	2.7	2.1	-5.0	-4.4	..	..
2008	Mar	-9.5	0.3	1.7	-6.7	-6.1	3.4	2.5	..	..
	Jun	9.4	2.0	1.1	10.1	8.0	5.7	1.7	..	..
	Sep	1.1 R	0.0	0.1	1.9 R	-1.2 R	3.6 R	10.5 R	..	..
	Dec	0.9	-1.2	-0.8	-3.0	1.0	3.6	-1.4	..	..
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	5.3	5.4	4.3	4.3	3.5	1.7	5.0	..	..
2008	Mar	4.7	4.8	5.2	5.6	5.3	6.0	6.6	..	..
	Jun	5.2	5.1	5.4	6.8	5.0	6.8	4.5	..	..
	Sep	5.5 R	5.5	4.3	7.5 R	2.3 R	7.5 R	10.1 R	..	..
	Dec	1.0	1.1	2.1	1.6	1.2	17.2	13.6	..	..

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

R revised

.. figure not available

Table 3

Meat and Dairy Product Manufacturing
ANZSIC C211–C212

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMCZ1A	SNMCZ1AS	SNMCZ1AT	SNMCZ1B	SNMCZ1C	SNMCZ1D	SNMCZ1E	SNMCZ1F	SNMCZ1G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	4,041	4,219	4,146	3,523	383	286	2,247	122	5
2004	Mar	4,523	4,210	4,253	4,028	456	298	2,840	.. C	.. C
	Jun	4,811	4,303	4,299	4,318	462	333	2,421	.. C	.. C
	Sep	3,674	4,316	4,264	2,979	354	375	1,328	.. C	.. C
	Dec	3,935	4,119	4,214	3,529	403	345	2,321	181	3
2005	Mar	4,918	4,545	4,185	4,360	471	425	2,931	.. C	.. C
	Jun	4,562	4,106	4,174	4,058	454	431	2,478	.. C	.. C
	Sep	3,615	4,258	4,263	2,783	370	231	1,629	.. C	.. C
	Dec	4,314	4,497	4,418	4,068	368	251	2,748	.. C	.. C
2006	Mar	4,897	4,503	4,629	3,923	478	239	3,409	.. C	.. C
	Jun	5,526	5,030	4,949	4,253	498	234	2,914	.. C	.. C
	Sep	4,317	5,111	5,086	3,463	403	258	1,688	.. C	.. C
	Dec	4,694	4,882	4,911	4,084	455	258	2,500	.. C	.. C
2007	Mar	5,272	4,810	4,816	4,089	537	250	3,036	.. C	.. C
	Jun	5,410	4,956	4,955	4,653	494	232	2,633	134	15
	Sep	4,463	5,296	5,297	3,388	405	236	1,746	.. C	.. C
	Dec	5,692	5,813	5,912	5,207	462	218	3,225	.. C	.. C
2008	Mar	7,074	6,478	6,234	6,227	581	249	3,822	.. C	.. C
	Jun	6,445	5,923	6,112	5,777	564	220	3,207	.. C	.. C
	Sep	5,159 R	6,111	6,114	4,170 R	438 R	264 R	2,294 R	.. C	.. C
	Dec	6,279	6,437	6,412	4,925	503	295	3,700	.. C	.. C
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	8.8	-4.5	-3.4	17.9	12.8	0.0	48.2	..	..
2007	Mar	12.3	-1.5	-1.9	0.1	18.3	-3.0	21.4	..	..
	Jun	2.6	3.0	2.9	13.8	-8.1	-7.4	-13.3	..	..
	Sep	-17.5	6.9	6.9	-27.2	-18.0	1.8	-33.7	..	..
	Dec	27.5	9.8	11.6	53.7	14.0	-7.8	84.7	..	..
2008	Mar	24.3	11.4	5.4	19.6	25.9	14.3	18.5	..	..
	Jun	-8.9	-8.6	-2.0	-7.2	-3.1	-11.4	-16.1	..	..
	Sep	-20.0 R	3.2	0.0	-27.8 R	-22.4 R	19.7 R	-28.5 R	..	..
	Dec	21.7	5.3	4.9	18.1	14.9	12.0	61.3	..	..
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	21.2	19.1	20.4	27.5	1.6	-15.7	29.0	..	..
2008	Mar	34.2	34.7	29.4	52.3	8.2	-0.6	25.9	..	..
	Jun	19.1	19.5	23.3	24.2	14.0	-5.0	21.8	..	..
	Sep	15.6 R	15.4	15.4	23.1 R	8.0 R	11.7 R	31.4 R	..	..
	Dec	10.3	10.7	8.5	-5.4	8.8	35.7	14.7	..	..

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

R revised

.. figure not available

Table 4

Other Food Manufacturing
ANZSIC C213–C217

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMC03A	SNMC03AS	SNMC03AT	SNMC03B	SNMC03C	SNMC03D	SNMC03E	SNMC03F	SNMC03G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	1,827	1,772	1,752	1,292	236	232	669	72	4
2004	Mar	1,693	1,779	1,787	1,213	224	242	745	89	2
	Jun	1,751	1,761	1,750	1,284	231	266	754	57	13
	Sep	1,722	1,685	1,698	1,229	236	262	788	49	6
	Dec	1,712	1,666	1,659	1,219	238	237	657	56	6
2005	Mar	1,575	1,647	1,648	1,185	235	259	750	45	3
	Jun	1,664	1,665	1,673	1,206	245	295	676	36	4
	Sep	1,770	1,742	1,729	1,312	251	249	691	.. C	.. C
	Dec	1,830	1,786	1,798	1,389	250	245	664	53	14
2006	Mar	1,801	1,878	1,875	1,361	247	288	684	45	9
	Jun	1,932	1,927	1,914	1,481	265	270	643	40	9
	Sep	1,904	1,878	1,885	1,433	254	260	599	.. C	.. C
	Dec	1,893	1,852	1,854	1,397	254	274	618	.. C	.. C
2007	Mar	1,802	1,874	1,876	1,382	259	279	702	41	11
	Jun	1,946	1,938	1,933	1,507	277	272	727	71	2
	Sep	2,003	1,978	2,024	1,530	283	257	743	70	16
	Dec	2,182	2,139	2,130	1,592	290	296	749	.. C	.. C
2008	Mar	2,120	2,202	2,194	1,661	271	292	779	.. C	.. C
	Jun	2,214	2,204	2,218	1,636	286	276	689	68	12
	Sep	2,281	2,253	2,244	1,764	285	283	692	86	7
	Dec	2,314	2,269	2,276	1,694	285	288	730	73	2
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	-0.6	-1.4	-1.6	-2.6	-0.2	5.7	3.2	..	..
2007	Mar	-4.8	1.2	1.2	-1.0	1.9	1.8	13.5	..	..
	Jun	8.0	3.4	3.0	9.0	7.3	-2.8	3.7	70.3	-84.7
	Sep	3.0	2.0	4.7	1.5	2.0	-5.5	2.1	-0.3	909.2
	Dec	8.9	8.2	5.3	4.1	2.7	15.4	0.8	..	..
2008	Mar	-2.8	2.9	3.0	4.3	-6.5	-1.5	4.1	..	..
	Jun	4.4	0.1	1.1	-1.5	5.2	-5.5	-11.5	..	..
	Sep	3.0	2.3	1.2	7.8	-0.3	2.7	0.4	26.1	-43.5
	Dec	1.4	0.7	1.4	-3.9	0.0	1.4	5.5	-15.0	-72.1
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	15.3	15.5	14.9	14.0	14.4	8.0	21.1	..	..
2008	Mar	17.7	17.5	17.0	20.2	5.0	4.5	11.1	..	..
	Jun	13.8	13.7	14.8	8.5	3.0	1.6	-5.2	-4.0	647.8
	Sep	13.9	13.9	10.9	15.3	0.7	10.4	-6.8	21.5	-58.1
	Dec	6.0	6.1	6.8	6.4	-1.9	-3.0	-2.5	..	..

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

.. figure not available

Table 5

Beverage, Malt and Tobacco Manufacturing
ANZSIC C218–C219

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMCZ2A	SNMCZ2AS	SNMCZ2AT	SNMCZ2B	SNMCZ2C	SNMCZ2D	SNMCZ2E	SNMCZ2F	SNMCZ2G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	864	737	749	552	77	151	447	61	1
2004	Mar	744	776	762	527	77	148	434	51	1
	Jun	693	757	766	522	80	234	530	51	9
	Sep	735	773	775	508	80	209	510	57	2
	Dec	939	800	791	589	85	167	513	57	3
2005	Mar	756	795	805	496	85	189	462	55	13
	Jun	773	834	829	531	90	219	575	56	8
	Sep	808	854	854	532	91	220	616	72	7
	Dec	1,015	863	863	657	88	207	512	79	1
2006	Mar	818	867	868	547	91	227	532	127	1
	Jun	839	892	871	571	96	252	683	80	3
	Sep	792	852	873	537	95	233	590	126	1
	Dec	1,045	874	874	641	101	175	594	81	4
2007	Mar	823	880	882	535	94	192	570	86	2
	Jun	844	894	890	612	103	295	681	.. C	.. C
	Sep	826	894	896	573	104	295	690	75	4
	Dec	1,087	910	913	650	106	231	628	108	1
2008	Mar	878	939	933	579	105	248	611	.. C	.. C
	Jun	888	936	937	653	112	290	848	46	6
	Sep	857 R	931	936	570 R	105 R	314 R	969 R	72 R	1 R
	Dec	1,132	947	943	671	113	266	869	89	1
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	31.8	2.7	0.1	19.3	6.6	-24.8	0.6	-35.6	312.3
2007	Mar	-21.3	0.6	0.9	-16.6	-6.6	9.9	-4.1	5.5	-54.9
	Jun	2.7	1.6	0.9	14.6	9.0	53.3	19.6	..	..
	Sep	-2.2	0.0	0.7	-6.4	1.4	0.1	1.3	..	..
	Dec	31.6	1.8	1.9	13.4	1.7	-21.8	-8.9	44.1	-69.5
2008	Mar	-19.2	3.2	2.3	-11.0	-1.3	7.6	-2.8	..	..
	Jun	1.1	-0.2	0.3	12.8	7.5	16.7	38.8	..	..
	Sep	-3.5 R	-0.6	-0.1	-12.8 R	-6.8 R	8.4 R	14.2 R	55.4 R	-87.8 R
	Dec	32.1	1.7	0.8	17.8	8.4	-15.4	-10.3	23.7	99.5
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	4.0	4.0	4.4	1.4	5.0	31.9	5.8	33.0	-72.9
2008	Mar	6.7	6.7	5.8	8.3	10.9	29.2	7.3	..	..
	Jun	5.1	4.8	5.3	6.6	9.3	-1.7	24.5	..	..
	Sep	3.8 R	4.2	4.4	-0.6 R	0.5 R	6.4 R	40.4 R	-3.7 R	-83.0 R
	Dec	4.2	4.1	3.3	3.2	7.1	15.2	38.3	-17.3	11.4

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

R revised

.. figure not available

Table 6

Textile and Apparel Manufacturing
ANZSIC C22

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMC06A	SNMC06AS	SNMC06AT	SNMC06B	SNMC06C	SNMC06D	SNMC06E	SNMC06F	SNMC06G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	669	671	681	447	149	191	329	27	2
2004	Mar	652	688	677	409	149	180	297	.. C	.. C
	Jun	689	675	685	425	154	183	304	.. C	.. C
	Sep	727	703	699	462	163	190	325	20	1
	Dec	702	704	699	480	161	192	346	18	0
2005	Mar	634	667	674	413	150	197	366	20	10
	Jun	659	646	638	414	155	198	346	11	2
	Sep	602	583	610	361	151	202	359	14	1
	Dec	603	605	600	397	148	192	350	14	1
2006	Mar	581	610	615	390	132	181	346	6	6
	Jun	646	634	627	418	144	178	308	12	3
	Sep	642	623	626	420	148	189	295	8	1
	Dec	617	619	621	424	147	182	311	20	1
2007	Mar	595	624	618	390	135	171	315	64	1
	Jun	619	607	616	421	139	187	285	12	2
	Sep	642	622	615	448	141	200	302	11	1
	Dec	601	602	605	398	132	202	285	16	39
2008	Mar	555	583	580	365	128	180	292	18	2
	Jun	566	556	559	379	134	165	286	8	7
	Sep	564	547	546	393	129	165	295	10	2
	Dec	535	537	538	369	121	175	313	11	3
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	-3.9	-0.6	-0.7	1.0	-0.8	-3.6	5.6	157.8	119.6
2007	Mar	-3.6	0.8	-0.5	-8.0	-8.2	-6.2	1.1	225.9	-9.2
	Jun	4.0	-2.7	-0.3	8.1	3.1	9.1	-9.7	-81.9	23.0
	Sep	3.7	2.4	-0.2	6.3	1.3	7.1	6.2	-5.8	-50.3
	Dec	-6.4	-3.2	-1.5	-11.1	-6.6	1.0	-5.5	42.8	5,035.7
2008	Mar	-7.6	-3.3	-4.1	-8.2	-2.4	-10.6	2.4	14.9	-95.7
	Jun	2.0	-4.6	-3.6	3.7	4.0	-8.4	-2.1	-57.0	293.4
	Sep	-0.3	-1.6	-2.3	3.8	-3.0	-0.5	3.3	36.2	-70.0
	Dec	-5.1	-1.8	-1.6	-6.1	-6.9	6.2	6.1	8.8	55.0
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	-2.6	-2.7	-2.5	-6.1	-10.4	10.7	-8.4	-20.6	2,749.5
2008	Mar	-6.6	-6.6	-6.1	-6.3	-4.8	5.6	-7.2	-72.0	36.2
	Jun	-8.4	-8.5	-9.2	-10.1	-4.0	-11.4	0.5	-33.6	335.4
	Sep	-12.0	-12.0	-11.1	-12.2	-8.1	-17.7	-2.2	-4.0	162.8
	Dec	-10.9	-10.8	-11.2	-7.2	-8.3	-13.4	9.8	-26.9	-92.1

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

.. figure not available

Table 7

Wood Product Manufacturing
ANZSIC C231–C232

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMC07A	SNMC07AS	SNMC07AT	SNMC07B	SNMC07C	SNMC07D	SNMC07E	SNMC07F	SNMC07G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	1,128	1,089	1,098	814	191	119	460	58	12
2004	Mar	1,073	1,167	1,155	792	175	112	488	53	4
	Jun	1,183	1,171	1,175	869	191	129	454	42	4
	Sep	1,201	1,154	1,154	894	190	133	486	46	2
	Dec	1,149	1,117	1,112	874	198	134	475	47	3
2005	Mar	981	1,068	1,082	741	175	132	438	.. C	.. C
	Jun	1,099	1,086	1,072	828	193	166	498	35	1
	Sep	1,108	1,061	1,067	830	195	160	484	41	4
	Dec	1,104	1,076	1,084	809	200	146	465	37	2
2006	Mar	1,037	1,133	1,117	780	182	146	461	35	1
	Jun	1,141	1,126	1,140	827	191	151	456	28	24
	Sep	1,222	1,168	1,159	888	196	157	472	21	6
	Dec	1,210	1,180	1,180	889	200	162	440	42	3
2007	Mar	1,064	1,164	1,204	786	180	168	441	38	1
	Jun	1,262	1,245	1,241	932	211	178	444	.. C	.. C
	Sep	1,313	1,254	1,249	967	213	187	463	.. C	.. C
	Dec	1,235	1,203	1,206	864	202	157	435	33	2
2008	Mar	1,046	1,146	1,145	787	183	166	487	38	4
	Jun	1,109	1,095	1,095	837	205	168	501	39	8
	Sep	1,125	1,074	1,084	846	202	147	529	41	11
	Dec	1,133	1,104	1,094	799	206	150	501	33	2
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	-0.9	1.0	1.8	0.0	1.6	3.2	-6.8	94.7	-40.9
2007	Mar	-12.1	-1.3	2.0	-11.5	-9.8	4.0	0.3	-9.6	-55.7
	Jun	18.6	6.9	3.1	18.5	17.1	6.0	0.5	..	..
	Sep	4.1	0.7	0.6	3.8	1.0	4.8	4.3	..	..
	Dec	-6.0	-4.1	-3.4	-10.6	-5.2	-15.9	-5.9	..	..
2008	Mar	-15.3	-4.7	-5.0	-8.9	-9.1	5.2	11.9	18.1	126.6
	Jun	6.0	-4.5	-4.4	6.3	12.0	1.2	2.8	2.1	75.4
	Sep	1.5	-2.0	-1.0	1.1	-1.6	-12.2	5.6	5.3	44.4
	Dec	0.7	2.8	1.0	-5.6	1.8	2.2	-5.3	-19.8	-83.7
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	2.0	2.0	2.2	-2.7	1.0	-2.7	-1.1	-21.8	-41.3
2008	Mar	-1.7	-1.6	-4.9	0.2	1.9	-1.6	10.4	2.2	200.1
	Jun	-12.1	-12.0	-11.8	-10.1	-2.6	-6.1	12.9	..	..
	Sep	-14.3	-14.4	-13.2	-12.5	-5.0	-21.4	14.2	..	..
	Dec	-8.3	-8.3	-9.3	-7.6	1.9	-4.5	15.0	1.8	-6.3

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

.. figure not available

Table 8

Paper and Paper Product Manufacturing
ANZSIC C233

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMC08A	SNMC08AS	SNMC08AT	SNMC08B	SNMC08C	SNMC08D	SNMC08E	SNMC08F	SNMC08G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	709	694	692	483	113	117	227	.. C	.. C
2004	Mar	682	692	697	489	98	105	225	19	0
	Jun	714	700	690	502	130	116	202	38	2
	Sep	651	670	679	494	97	112	228	.. C	.. C
	Dec	704	689	690	503	101	118	228	.. C	.. C
2005	Mar	711	719	713	556	99	111	250	.. C	.. C
	Jun	720	708	708	554	98	114	249	29	0
	Sep	665	684	683	521	96	109	233	.. C	.. C
	Dec	682	668	677	525	97	112	249	.. C	.. C
2006	Mar	691	698	684	547	93	112	231	.. C	.. C
	Jun	695	686	701	557	93	118	256	.. C	.. C
	Sep	708	727	716	574	92	116	230	25	1
	Dec	728	711	710	541	92	108	204	.. C	.. C
2007	Mar	674	682	689	524	89	112	226	19	1
	Jun	701	693	689	517	93	119	227	63	0
	Sep	687	704	709	538	88	144	269	.. C	.. C
	Dec	752	734	726	553	92	139	230	.. C	.. C
2008	Mar	701	710	742	562	93	155	270	.. C	.. C
	Jun	766	759	751	599	97	158	253	.. C	.. C
	Sep	733	749	751	582	91	154	255	.. C	.. C
	Dec	761	741	741	585	90	166	256	26	0
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	2.7	-2.2	-0.7	-5.8	-0.2	-6.9	-11.4	..	..
2007	Mar	-7.3	-4.0	-3.0	-3.1	-2.7	3.6	10.9	..	..
	Jun	4.0	1.5	0.0	-1.5	4.5	6.2	0.2	225.6	-96.3
	Sep	-2.0	1.6	2.9	4.2	-5.5	21.1	18.6	..	..
	Dec	9.4	4.3	2.4	2.8	4.8	-3.3	-14.5	..	..
2008	Mar	-6.7	-3.2	2.2	1.5	1.0	11.0	17.7	..	..
	Jun	9.2	6.8	1.3	6.6	4.4	2.3	-6.4	..	..
	Sep	-4.3	-1.4	-0.1	-2.9	-6.8	-2.8	0.9	..	..
	Dec	3.8	-0.9	-1.3	0.5	-1.5	7.8	0.2	..	..
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	3.4	3.2	2.2	2.3	0.6	28.8	12.6	..	..
2008	Mar	4.0	4.1	7.6	7.2	4.5	38.1	19.5	..	..
	Jun	9.2	9.5	9.1	15.9	4.4	33.0	11.6	..	..
	Sep	6.6	6.4	5.9	8.0	3.0	6.7	-5.0	..	..
	Dec	1.1	1.0	2.1	5.7	-3.1	19.1	11.4	..	..

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

.. figure not available

Table 9

**Printing, Publishing and Recorded Media Manufacturing
ANZSIC C24**

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMC09A	SNMC09AS	SNMC09AT	SNMC09B	SNMC09C	SNMC09D	SNMC09E	SNMC09F	SNMC09G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	919	878	882	545	218	82	77	26	6
2004	Mar	833	890	891	488	208	78	75	62	2
	Jun	926	929	903	536	217	79	81	29	3
	Sep	918	897	914	543	216	99	81	31	4
	Dec	974	935	934	590	228	94	87	40	9
2005	Mar	892	953	949	532	218	89	95	15	22
	Jun	945	942	946	544	224	90	104	.. C	.. C
	Sep	961	941	938	550	222	92	106	22	1
	Dec	971	937	940	588	222	104	108	47	2
2006	Mar	890	950	948	518	208	104	102	24	5
	Jun	964	955	958	527	227	104	94	22	4
	Sep	983	964	959	554	238	102	113	35	13
	Dec	978	947	949	555	243	90	99	28	15
2007	Mar	883	943	949	476	218	99	109	34	29
	Jun	978	965	954	527	236	89	93	57	17
	Sep	964	947	959	549	233	87	100	40	24
	Dec	1,008	977	970	576	244	85	94	24	2
2008	Mar	915	977	979	508	224	91	93	25	5
	Jun	976	961	960	553	256	97	113	.. C	.. C
	Sep	937	922	921	545	258	110	99	27	7
	Dec	900	873	875	528	257	104	104	25	2
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	-0.4	-1.8	-1.1	0.3	2.2	-11.8	-12.4	-18.6	10.2
2007	Mar	-9.8	-0.4	0.0	-14.2	-10.3	10.4	10.8	22.2	95.7
	Jun	10.8	2.3	0.5	10.5	8.5	-9.8	-15.1	66.8	-41.2
	Sep	-1.4	-1.8	0.6	4.3	-1.5	-2.4	7.5	-30.9	39.9
	Dec	4.5	3.1	1.2	4.9	5.0	-2.1	-6.0	-40.4	-92.1
2008	Mar	-9.2	0.0	0.9	-11.7	-8.5	6.4	-0.8	5.4	155.9
	Jun	6.7	-1.6	-2.0	8.7	14.2	6.7	20.9	..	..
	Sep	-4.0	-4.1	-4.1	-1.4	1.1	13.1	-12.6	..	..
	Dec	-4.0	-5.2	-5.0	-3.1	-0.4	-5.4	5.3	-9.9	-68.5
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	3.0	3.2	2.3	3.8	0.7	-4.8	-4.9	-16.0	-87.3
2008	Mar	3.6	3.6	3.2	6.7	2.6	-8.2	-14.9	-27.6	-83.4
	Jun	-0.2	-0.4	0.6	5.0	8.1	8.5	21.2	..	..
	Sep	-2.8	-2.7	-4.0	-0.7	11.0	25.8	-1.4	-30.8	-70.6
	Dec	-10.7	-10.6	-9.8	-8.3	5.2	21.6	10.4	4.6	17.4

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

.. figure not available

Table 10

Petroleum and Industrial Chemical Manufacturing
ANZSIC C251–C253

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMC10A	SNMC10AS	SNMC10AT	SNMC10B	SNMC10C	SNMC10D	SNMC10E	SNMC10F	SNMC10G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	840	740	751	615	80	191	180	32	6
2004	Mar	685	743	754	497	72	184	186	32	0
	Jun	805	805	783	612	74	178	167	80	1
	Sep	732	783	800	578	70	214	213	.. C	.. C
	Dec	962	837	842	740	82	309	282	.. C	.. C
2005	Mar	815	891	865	615	67	215	222	.. C	.. C
	Jun	803	801	818	589	78	209	203	59	1
	Sep	717	770	777	575	66	229	262	.. C	.. C
	Dec	903	783	739	713	69	213	237	45	11
2006	Mar	583	639	684	407	60	207	191	21	0
	Jun	669	669	654	461	62	171	192	34	0
	Sep	606	651	654	416	61	197	222	.. C	.. C
	Dec	750	648	650	537	69	204	207	.. C	.. C
2007	Mar	604	665	666	435	61	186	205	22	0
	Jun	684	682	671	487	62	169	183	.. C	.. C
	Sep	618	661	675	441	63	223	246	34	1
	Dec	821	710	700	590	68	151	181	103	1
2008	Mar	677	746	750	472	57	186	270	38	0
	Jun	825	823	839	635	66	269	241	72	0
	Sep	884	944	903	610	63	256	440	.. C	.. C
	Dec	1,021	886	919	783	74	.. C	.. C	122	1
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	23.9	-0.3	-0.6	28.9	13.5	3.3	-6.9	..	..
2007	Mar	-19.5	2.5	2.5	-19.0	-11.3	-9.0	-1.0	..	..
	Jun	13.2	2.6	0.7	12.0	1.9	-8.7	-10.8	..	..
	Sep	-9.7	-3.0	0.6	-9.4	1.1	31.8	35.0	..	..
	Dec	32.9	7.4	3.7	33.8	8.1	-32.6	-26.4	204.5	-49.3
2008	Mar	-17.5	5.1	7.1	-20.1	-16.7	23.3	48.8	-63.2	-60.7
	Jun	21.8	10.2	11.9	34.5	15.3	44.9	-10.8	90.7	38.6
	Sep	7.1	14.7	7.5	-3.8	-3.3	-4.9	82.7	..	..
	Dec	15.6	-6.1	1.8	28.3	16.9	..	..	..	..
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	9.4	9.6	7.8	10.0	-1.3	-26.1	-12.3	..	..
2008	Mar	12.0	12.2	12.5	8.6	-7.2	0.1	31.8	70.1	-42.7
	Jun	20.6	20.6	25.0	30.3	4.9	58.9	31.9	..	..
	Sep	43.1	42.7	33.7	38.3	0.4	14.6	78.5	..	..
	Dec	24.5	24.7	31.2	32.6	8.6	..	..	18.4	77.5

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

.. figure not available

Table 11

Rubber, Plastic and Other Chemical Product Manufacturing
ANZSIC C254–C256

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMC11A	SNMC11AS	SNMC11AT	SNMC11B	SNMC11C	SNMC11D	SNMC11E	SNMC11F	SNMC11G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	1,198	1,087	1,093	758	200	212	502	41	7
2004	Mar	1,050	1,120	1,110	685	193	201	517	35	3
	Jun	1,069	1,109	1,117	723	202	205	538	51	15
	Sep	1,126	1,132	1,132	753	205	232	579	47	34
	Dec	1,276	1,158	1,156	840	223	235	541	64	6
2005	Mar	1,096	1,163	1,162	758	211	254	565	35	4
	Jun	1,114	1,158	1,161	755	213	260	548	35	5
	Sep	1,187	1,195	1,165	831	222	270	644	52	5
	Dec	1,262	1,147	1,189	867	231	264	568	39	3
2006	Mar	1,164	1,232	1,229	834	225	263	596	24	6
	Jun	1,222	1,270	1,270	858	232	301	608	79	10
	Sep	1,284	1,296	1,295	928	236	284	651	45	8
	Dec	1,437	1,304	1,306	1,027	248	308	673	51	2
2007	Mar	1,234	1,305	1,303	876	221	279	576	40	15
	Jun	1,239	1,287	1,286	887	233	274	592	38	2
	Sep	1,253	1,267	1,272	891	228	273	622	35	3
	Dec	1,398	1,268	1,261	961	240	277	564	36	16
2008	Mar	1,174	1,242	1,248	824	223	270	558	23	34
	Jun	1,192	1,236	1,232	860	230	255	578	45	22
	Sep	1,196	1,210	1,212	879	221	268	651	34	12
	Dec	1,307	1,186	1,186	925	227	280	603	41	7
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	11.9	0.6	0.8	10.6	5.3	8.5	3.4	14.0	-80.9
2007	Mar	-14.2	0.0	-0.2	-14.6	-11.1	-9.5	-14.4	-22.2	844.3
	Jun	0.5	-1.4	-1.3	1.2	5.4	-1.9	2.7	-4.1	-83.9
	Sep	1.1	-1.6	-1.1	0.5	-2.0	-0.3	5.1	-8.9	13.1
	Dec	11.6	0.1	-0.9	7.8	5.3	1.4	-9.4	4.5	508.0
2008	Mar	-16.0	-2.1	-1.0	-14.3	-7.3	-2.5	-1.1	-36.9	107.0
	Jun	1.5	-0.4	-1.3	4.4	3.5	-5.5	3.7	98.1	-35.8
	Sep	0.4	-2.1	-1.6	2.2	-4.2	5.3	12.7	-24.9	-44.6
	Dec	9.3	-2.0	-2.1	5.3	2.8	4.2	-7.4	20.3	-39.1
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	-2.8	-2.8	-3.4	-6.4	-3.2	-10.3	-16.2	-28.9	947.9
2008	Mar	-4.8	-4.8	-4.2	-6.0	0.9	-3.4	-3.3	-42.3	129.7
	Jun	-3.8	-3.9	-4.2	-3.0	-1.0	-6.9	-2.4	19.1	813.7
	Sep	-4.5	-4.4	-4.8	-1.4	-3.2	-1.7	4.7	-1.9	348.1
	Dec	-6.4	-6.5	-6.0	-3.7	-5.5	1.1	6.9	12.9	-55.1

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Table 12

**Non-metallic Mineral Product Manufacturing
ANZSIC C26**

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMC12A	SNMC12AS	SNMC12AT	SNMC12B	SNMC12C	SNMC12D	SNMC12E	SNMC12F	SNMC12G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	572	560	557	376	83	44	140	32	6
2004	Mar	529	564	569	365	78	40	135	23	2
	Jun	596	586	581	395	83	43	133	28	15
	Sep	607	593	596	399	85	47	148	.. C	.. C
	Dec	629	616	615	415	92	46	146	.. C	.. C
2005	Mar	600	637	636	406	89	50	139	36	2
	Jun	661	649	654	450	95	48	155	36	2
	Sep	682	670	662	453	97	50	149	42	2
	Dec	670	656	664	438	100	52	155	32	1
2006	Mar	628	666	658	430	92	65	152	40	2
	Jun	642	630	664	445	100	60	162	41	1
	Sep	693	685	677	470	99	57	159	46	1
	Dec	704	688	692	464	105	60	170	57	2
2007	Mar	666	705	705	447	100	62	176	33	2
	Jun	733	717	712	475	111	74	171	30	13
	Sep	717	711	720	481	111	75	185	30	3
	Dec	760	742	736	499	117	79	193	51	6
2008	Mar	707	747	752	490	116	84	189	47	1
	Jun	766	748	739	497	124	85	198	54	2
	Sep	712	708	721	513	115	79	209	43	1
	Dec	737	719	710	510	117	.. C	.. C	.. C	.. C
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	1.5	0.5	2.3	-1.4	6.1	5.1	6.9	23.4	87.2
2007	Mar	-5.4	2.5	1.8	-3.5	-5.0	1.9	3.6	-42.7	-2.6
	Jun	10.1	1.7	1.0	6.1	11.5	20.9	-2.5	-9.7	683.8
	Sep	-2.3	-0.8	1.1	1.4	-0.5	0.4	7.9	1.6	-75.0
	Dec	6.1	4.4	2.3	3.7	5.4	6.3	4.4	70.4	99.8
2008	Mar	-7.0	0.6	2.1	-1.8	-0.5	5.3	-2.2	-8.0	-83.6
	Jun	8.3	0.2	-1.7	1.4	7.1	2.1	5.1	13.8	42.8
	Sep	-7.0	-5.4	-2.4	3.1	-7.2	-7.3	5.5	-20.2	-11.8
	Dec	3.5	1.5	-1.6	-0.5	1.7	..	..	..	..
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	8.0	7.9	6.3	7.7	11.1	31.6	13.8	-10.5	282.1
2008	Mar	6.1	6.0	6.7	9.7	16.4	35.9	7.4	43.8	-35.6
	Jun	4.4	4.4	3.8	4.8	11.8	14.8	15.8	81.3	-88.3
	Sep	-0.6	-0.4	0.1	6.5	4.3	6.0	13.2	42.4	-58.7
	Dec	-3.1	-3.2	-3.6	2.1	0.6	..	..	..	..

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

.. figure not available

Table 13

Basic Metal Manufacturing
ANZSIC C271–C273

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMC13A		SNMC13AT	SNMC13B	SNMC13C	SNMC13D	SNMC13E	SNMC13F	SNMC13G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	490	...	500	376	83	124	135	.. C	.. C
2004	Mar	529	...	541	382	85	124	136	22	8
	Jun	639	...	629	432	87	124	129	21	3
	Sep	651	...	627	477	86	127	138	12	1
	Dec	518	...	559	388	90	97	183	12	1
2005	Mar	602	...	555	412	90	128	167	11	0
	Jun	623	...	627	484	97	138	155	36	1
	Sep	661	...	634	456	95	104	187	.. C	.. C
	Dec	561	...	586	435	90	119	166	27	1
2006	Mar	582	...	582	417	93	134	175	38	0
	Jun	646	...	646	456	89	123	174	34	3
	Sep	679	...	660	513	91	133	169	.. C	.. C
	Dec	613	...	630	427	90	122	165	.. C	.. C
2007	Mar	641	...	649	469	90	125	207	.. C	.. C
	Jun	719	...	703	510	88	118	226	28	1
	Sep	694	...	686	516	102	109	237	17	1
	Dec	624	...	634	478	103	110	246	.. C	.. C
2008	Mar	667	...	688	484	99	122	238	30	3
	Jun	844	...	835	604	111	139	233	27	8
	Sep	896	...	845	671	108	172	234	33	0
	Dec	694	...	741	456	104	173	221	33	0
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	-9.7	...	-4.5	-16.7	-1.4	-8.0	-2.6	..	..
2007	Mar	4.6	...	3.0	9.8	0.1	2.5	25.4	..	..
	Jun	12.2	...	8.4	8.7	-2.1	-5.7	9.2	..	..
	Sep	-3.5	...	-2.4	1.1	16.0	-7.3	4.9	-37.0	20.9
	Dec	-10.0	...	-7.6	-7.3	1.2	1.0	3.7	..	..
2008	Mar	6.9	...	8.5	1.2	-4.2	10.6	-3.1	..	..
	Jun	26.5	...	21.4	24.9	12.9	13.6	-2.1	-10.9	222.5
	Sep	6.2	...	1.2	11.1	-2.8	24.4	0.3	24.6	-94.5
	Dec	-22.6	...	-12.3	-32.1	-4.4	0.4	-5.5	-2.6	-6.7
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	1.8	...	0.6	11.8	15.0	-9.5	49.0	..	..
2008	Mar	4.1	...	5.9	3.0	10.1	-2.4	15.1	..	..
	Jun	17.4	...	18.7	18.4	27.0	17.6	3.2	-2.9	1,248.2
	Sep	29.3	...	23.1	30.1	6.4	57.8	-1.4	92.2	-38.1
	Dec	11.2	...	16.8	-4.6	0.6	56.9	-10.2	..	..

(1) This series is not seasonally adjusted. This is because it does not have stable seasonality.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

.. figure not available

... not applicable

Table 14

Structural, Sheet and Fabricated Metal Product Manufacturing
ANZSIC C274–C276

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMC14A	SNMC14AS	SNMC14AT	SNMC14B	SNMC14C	SNMC14D	SNMC14E	SNMC14F	SNMC14G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	1,166	1,153	1,164	744	239	206	220	20	5
2004	Mar	1,119	1,208	1,182	730	222	198	221	22	8
	Jun	1,170	1,147	1,174	795	227	178	217	24	7
	Sep	1,244	1,188	1,171	837	235	211	238	25	11
	Dec	1,190	1,185	1,194	780	240	226	231	41	2
2005	Mar	1,130	1,220	1,220	746	214	244	246	31	2
	Jun	1,285	1,257	1,248	816	249	245	237	30	16
	Sep	1,319	1,254	1,268	862	246	234	254	33	2
	Dec	1,283	1,285	1,265	838	262	238	253	36	7
2006	Mar	1,130	1,225	1,233	762	237	240	223	25	5
	Jun	1,258	1,222	1,240	833	258	241	257	45	4
	Sep	1,379	1,309	1,280	918	265	214	250	19	3
	Dec	1,278	1,283	1,305	855	268	237	257	26	1
2007	Mar	1,223	1,334	1,328	844	247	237	290	.. C	.. C
	Jun	1,396	1,349	1,335	923	277	260	306	27	3
	Sep	1,358	1,288	1,304	867	274	245	313	29	6
	Dec	1,295	1,303	1,296	879	283	240	301	30	7
2008	Mar	1,214	1,327	1,340	822	259	243	288	30	1
	Jun	1,444	1,390	1,370	960	284	253	292	37	5
	Sep	1,425	1,353	1,364	975	282	272	292	.. C	.. C
	Dec	1,337	1,349	1,343	888	280	275	309	.. C	.. C
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	-7.3	-2.0	1.9	-6.9	1.4	11.2	2.7	41.9	-62.8
2007	Mar	-4.3	3.9	1.8	-1.3	-8.0	-0.3	12.7	..	..
	Jun	14.1	1.1	0.5	9.4	12.0	9.9	5.5	..	..
	Sep	-2.8	-4.5	-2.3	-6.1	-1.0	-5.9	2.5	5.5	120.4
	Dec	-4.6	1.2	-0.6	1.4	3.4	-1.9	-4.1	5.4	17.0
2008	Mar	-6.3	1.8	3.3	-6.5	-8.7	1.1	-4.3	-0.9	-82.5
	Jun	19.0	4.7	2.3	16.9	9.7	4.2	1.3	23.7	292.5
	Sep	-1.3	-2.7	-0.5	1.5	-0.6	7.4	0.0	..	..
	Dec	-6.2	-0.3	-1.5	-8.9	-0.8	1.1	5.9	..	..
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	1.3	1.6	-0.7	2.9	5.5	1.1	16.9	14.5	517.9
2008	Mar	-0.8	-0.5	0.8	-2.6	4.7	2.6	-0.7	..	..
	Jun	3.4	3.1	2.6	4.0	2.6	-2.8	-4.6	36.3	76.8
	Sep	5.0	5.0	4.6	12.5	3.0	11.0	-6.9	..	..
	Dec	3.3	3.5	3.6	1.0	-1.1	14.4	2.8	..	..

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

.. figure not available

Table 15

Transport Equipment Manufacturing
ANZSIC C281–C282

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMC15A		SNMC15AT	SNMC15B	SNMC15C	SNMC15D	SNMC15E	SNMC15F	SNMC15G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	638	...	613	424	156	217	148	25	1
2004	Mar	561	...	574	373	153	208	149	31	6
	Jun	544	...	547	365	168	211	150	30	4
	Sep	587	...	595	386	149	214	155	.. C	.. C
	Dec	649	...	621	442	169	207	139	37	5
2005	Mar	572	...	595	379	149	207	131	17	4
	Jun	587	...	585	399	154	211	150	11	5
	Sep	611	...	604	417	154	201	149	57	6
	Dec	586	...	587	380	150	213	148	26	10
2006	Mar	556	...	559	381	176	202	160	15	23
	Jun	555	...	552	360	167	204	152	18	2
	Sep	576	...	594	367	161	196	164	20	7
	Dec	648	...	609	401	172	192	179	10	2
2007	Mar	560	...	597	360	143	186	205	19	2
	Jun	627	...	614	402	148	182	234	18	8
	Sep	669	...	672	436	160	180	189	25	12
	Dec	689	...	673	455	170	194	197	19	10
2008	Mar	655	...	679	412	168	197	194	22	2
	Jun	749	...	745	519	183	224	173	22	12
	Sep	884	...	802	607	188	260	252	.. C	.. C
	Dec	791	...	812	505	189	254	216	.. C	.. C
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	12.5	...	2.7	9.4	6.6	-1.7	9.0	-47.5	-72.3
2007	Mar	-13.5	...	-2.1	-10.3	-17.0	-3.5	14.2	83.7	13.0
	Jun	11.9	...	2.9	11.7	3.7	-2.2	14.1	-2.4	270.6
	Sep	6.6	...	9.4	8.4	8.4	-0.8	-19.1	33.7	48.6
	Dec	3.0	...	0.2	4.3	6.1	7.5	4.2	-23.0	-11.1
2008	Mar	-5.0	...	0.8	-9.5	-1.1	1.6	-1.6	14.7	-82.6
	Jun	14.4	...	9.7	26.1	8.6	13.7	-10.5	-0.7	547.6
	Sep	18.0	...	7.6	16.9	2.9	16.0	45.6	..	..
	Dec	-10.5	...	1.2	-16.7	0.4	-2.2	-14.4	..	..
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	6.4	...	10.5	13.3	-1.0	0.7	9.8	84.7	453.3
2008	Mar	16.8	...	13.8	14.3	17.9	6.0	-5.4	15.3	-14.7
	Jun	19.4	...	21.4	29.1	23.5	23.3	-25.8	17.3	49.1
	Sep	32.1	...	19.4	39.2	17.2	44.1	33.6	..	..
	Dec	14.8	...	20.5	11.1	10.9	31.1	9.7	..	..

(1) This series is not seasonally adjusted. This is because it does not have stable seasonality.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

.. figure not available

... not applicable

Table 16

Machinery and Equipment Manufacturing
ANZSIC C283–C286

	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
Series ref: MANQ.	SNMC16A	SNMC16AS	SNMC16AT	SNMC16B	SNMC16C	SNMC16D	SNMC16E	SNMC16F	SNMC16G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	1,522	1,522	1,543	1,054	323	348	391	49	12
2004	Mar	1,545	1,661	1,624	1,050	308	340	443	45	8
	Jun	1,661	1,636	1,660	1,139	331	357	449	29	3
	Sep	1,778	1,682	1,679	1,272	341	360	503	75	4
	Dec	1,701	1,707	1,694	1,187	347	365	475	38	4
2005	Mar	1,541	1,656	1,665	1,053	332	356	497	57	8
	Jun	1,681	1,656	1,664	1,168	344	378	492	41	3
	Sep	1,810	1,709	1,696	1,264	360	398	539	46	12
	Dec	1,702	1,709	1,714	1,171	352	368	527	51	13
2006	Mar	1,603	1,724	1,724	1,104	339	369	519	.. C	.. C
	Jun	1,775	1,750	1,760	1,208	369	386	549	37	15
	Sep	1,923	1,815	1,757	1,328	381	411	599	.. C	.. C
	Dec	1,696	1,701	1,736	1,189	371	399	648	43	6
2007	Mar	1,637	1,764	1,745	1,107	344	395	603	47	7
	Jun	1,800	1,774	1,772	1,226	380	404	625	52	24
	Sep	1,898	1,791	1,815	1,287	387	405	673	70	5
	Dec	1,906	1,909	1,880	1,272	383	394	709	31	3
2008	Mar	1,755	1,894	1,912	1,187	373	417	669	.. C	.. C
	Jun	1,938	1,907	1,890	1,344	391	433	612	38	7
	Sep	1,974 R	1,864	1,887	1,325 R	398 R	431 R	628 R	52 R	65 R
	Dec	1,911	1,914	1,897	1,243	415	460	690	.. C	.. C
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	-11.8	-6.2	-1.2	-10.5	-2.8	-2.8	8.3	..	..
2007	Mar	-3.5	3.7	0.5	-6.9	-7.3	-1.0	-6.9	10.2	15.8
	Jun	10.0	0.6	1.5	10.7	10.5	2.1	3.6	10.4	225.9
	Sep	5.4	1.0	2.5	4.9	2.0	0.3	7.8	34.1	-80.8
	Dec	0.4	6.5	3.6	-1.1	-1.0	-2.6	5.3	-55.4	-31.3
2008	Mar	-7.9	-0.8	1.7	-6.7	-2.7	5.7	-5.6	..	..
	Jun	10.4	0.7	-1.1	13.3	4.9	3.9	-8.5	..	..
	Sep	1.9 R	-2.3	-0.2	-1.4 R	1.9 R	-0.4 R	2.6 R	36.6 R	777.4 R
	Dec	-3.2	2.7	0.5	-6.2	4.1	6.7	9.9	..	..
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	12.3	12.2	8.3	7.0	3.4	-1.2	9.4	-27.2	-50.2
2008	Mar	7.2	7.4	9.6	7.2	8.5	5.4	11.0	..	..
	Jun	7.6	7.5	6.7	9.6	3.0	7.3	-2.0	-25.9	-69.0
	Sep	4.0 R	4.1	3.9	3.0 R	2.9 R	6.5 R	-6.8 R	-24.6 R	1,318.1 R
	Dec	0.3	0.3	0.9	-2.3	8.2	16.6	-2.7	..	..

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Symbols:

C confidential

R revised

.. figure not available

Table 17

Furniture and Other Manufacturing
ANZSIC C29

Series ref: MANQ.	Sales			Purchases and operating expenditure	Salaries and wages	Closing stocks of		Fixed assets		
	Unadjusted	Seasonally adjusted ⁽¹⁾	Trend ⁽²⁾			Raw materials ⁽³⁾	Finished goods ⁽⁴⁾	Additions	Disposals	
	SNMC17A	SNMC17AS	SNMC17AT	SNMC17B	SNMC17C	SNMC17D	SNMC17E	SNMC17F	SNMC17G	
\$(million)⁽⁵⁾										
Quarter										
2003	Dec	538	503	506	361	114	123	117	8	3
2004	Mar	466	504	507	299	101	129	122	8	1
	Jun	510	519	513	336	113	125	128	13	1
	Sep	523	511	516	334	121	116	120	32	3
	Dec	559	524	523	363	120	123	134	8	1
2005	Mar	499	537	534	332	107	123	124	11	0
	Jun	521	532	532	343	117	120	125	8	0
	Sep	532	523	523	360	114	111	123	7	1
	Dec	559	521	524	365	120	125	118	10	3
2006	Mar	499	534	531	330	110	126	125	11	1
	Jun	521	533	534	348	111	126	121	8	2
	Sep	537	531	532	375	111	127	127	15	6
	Dec	574	533	533	388	116	130	124	9	0
2007	Mar	496	530	528	335	103	131	112	11	2
	Jun	506	518	522	342	114	127	121	12	2
	Sep	529	525	524	362	121	148	120	5	1
	Dec	567	525	521	380	130	132	114	7	3
2008	Mar	442	471	506	320	106	129	112	6	1
	Jun	502	516	489	354	118	124	119	8	10
	Sep	477	474	476	352	119	129	130	7	2
	Dec	503	465	463	352	115	131	124	7	1
Percentage change from the previous quarter⁽⁶⁾										
Quarter										
2006	Dec	6.9	0.4	0.1	3.6	4.8	1.9	-2.2	-37.8	-93.8
2007	Mar	-13.5	-0.7	-1.0	-13.6	-11.4	0.9	-10.1	22.2	503.3
	Jun	2.0	-2.2	-1.0	2.1	10.6	-2.8	8.5	6.2	-11.5
	Sep	4.6	1.4	0.4	5.8	6.1	16.3	-0.8	-59.4	-44.7
	Dec	7.1	-0.1	-0.6	4.9	7.4	-11.0	-5.2	52.3	134.3
2008	Mar	-22.1	-10.3	-2.9	-15.7	-18.4	-2.2	-1.5	-15.0	-68.3
	Jun	13.8	9.5	-3.4	10.5	11.2	-3.9	5.8	24.5	1,090.3
	Sep	-5.1	-8.1	-2.7	-0.4	1.2	4.6	9.7	-11.2	-79.8
	Dec	5.5	-1.9	-2.6	0.0	-2.9	1.1	-5.2	1.2	-61.5
Percentage change from the same quarter of the previous year⁽⁶⁾										
Quarter										
2007	Dec	-1.3	-1.6	-2.1	-2.1	11.6	1.4	-8.3	-19.8	591.5
2008	Mar	-11.0	-11.1	-4.0	-4.5	2.7	-1.7	0.5	-44.2	-63.7
	Jun	-0.7	-0.5	-6.4	3.3	3.3	-2.8	-2.0	-34.6	388.4
	Sep	-9.9	-9.8	-9.3	-2.7	-1.5	-12.6	8.5	43.1	78.7
	Dec	-11.3	-11.4	-11.2	-7.3	-10.9	-0.7	8.4	-4.9	-70.6

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Trend values exclude estimated seasonal fluctuations and short-term irregular movements and are subject to revision each quarter.

(3) Materials for use in production.

(4) Finished goods, trading goods and work in progress.

(5) Values exclude GST.

(6) Percentage changes are calculated on unrounded figures.

Note: ANZSIC Australian and New Zealand Standard Industrial Classification (1996)

Table 18

Sales – Unadjusted⁽¹⁾
At December 1997 quarter prices
By industry

Manufacturing industry	Series ref. MANQ.	Quarter								
		2006	2007				2008			
		Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec
\$(million)⁽²⁾										
Meat and dairy products	SNMRCZ1A	3,681	4,084	4,120	3,157	3,607	4,192	3,778	2,940 R	3,173
Other food	SNMRC03A	1,491	1,417	1,542	1,579	1,700	1,600	1,649	1,635	1,617
Beverages, malt and tobacco	SNMRCZ2A	806	626	643	615	800	644	650	600	781
Textiles and apparel	SNMRC06A	588	571	598	620	574	530	535	535	506
Wood products	SNMRC07A	1,084	955	1,114	1,114	1,049	895	953	952	943
Paper and paper products	SNMRC08A	635	582	616	597	653	632	669	601	595
Printing, publishing and recorded media	SNMRC09A	747	668	730	713	751	682	726	703	672
Petroleum and industrial chemicals	SNMRC10A	589	482	533	461	620	486	588	545	493
Rubber, plastic and other chemical products	SNMRC11A	1,186	1,019	1,017	1,023	1,136	945	950	934	994
Non-metallic mineral products	SNMRC12A	570	535	587	567	597	552	592	538	549
Basic metals	SNMRC13A	447	454	503	486	436	463	566	556	400
Structural, sheet and fabricated metal products	SNMRC14A	975	933	1,046	1,006	945	865	1,009	931	835
Transport equipment	SNMRC15A	543	471	533	560	579	543	601	668	546
Machinery and equipment	SNMRC16A	1,271	1,231	1,346	1,436	1,439	1,303	1,432	1,451 R	1,380
Furniture and other	SNMRC17A	473	406	406	421	448	348	388	359	374
All manufacturing excluding meat and dairy products	SNMRCZ3A	11,404	10,348	11,215	11,198	11,725	10,486	11,308	11,006 R	10,684
All manufacturing	SNMRCZZA	15,085	14,432	15,334	14,355	15,332	14,678	15,086	13,946 R	13,857
Percentage change from the same quarter of the previous year⁽³⁾										
Meat and dairy products		7.3	7.1	0.8	-1.8	-2.0	2.6	-8.3	-6.9 R	-12.0
Other food		-0.9	-3.8	-1.1	3.8	14.0	13.0	6.9	3.6	-4.9
Beverages, malt and tobacco		3.4	0.2	0.9	0.7	-0.8	2.8	1.2	-2.4 R	-2.4
Textiles and apparel		1.2	1.9	-1.7	1.8	-2.5	-7.2	-10.7	-13.7	-11.8
Wood products		5.9	0.9	8.7	2.3	-3.2	-6.3	-14.5	-14.5	-10.1
Paper and paper products		-1.3	-10.8	-0.1	-3.4	2.8	8.7	8.6	0.6	-9.0
Printing, publishing and recorded media		0.8	-1.4	-0.2	-3.9	0.5	2.1	-0.6	-1.5	-10.5
Petroleum and industrial chemicals		-20.8	-0.4	7.3	2.2	5.3	0.9	10.3	18.1	-20.5
Rubber, plastic and other chemical products		9.1	2.0	-2.7	-5.3	-4.2	-7.2	-6.6	-8.7	-12.5
Non-metallic mineral products		2.2	3.3	11.3	0.1	4.7	3.1	0.9	-5.3	-8.0
Basic metals		-4.5	-4.7	1.6	-4.0	-2.4	2.0	12.4	14.3	-8.4
Structural, sheet and fabricated metal products		-9.1	-0.6	0.1	-7.6	-3.0	-7.4	-3.5	-7.4	-11.7
Transport equipment		4.6	-2.9	15.8	18.9	6.7	15.2	12.7	19.3	-5.7
Machinery and equipment		-9.5	-3.3	0.2	-0.1	13.2	5.8	6.4	1.0 R	-4.1
Furniture and other		-0.6	-3.9	-6.4	-4.6	-5.4	-14.2	-4.5	-14.6	-16.4
All manufacturing excluding meat and dairy products		-1.7	-1.7	1.7	-0.3	2.8	1.3	0.8	-1.7 R	-8.9
All manufacturing		0.4	0.6	1.5	-0.6	1.6	1.7	-1.6	-2.8 R	-9.6

(1) Before removal of seasonal fluctuations and short-term irregular movements.

(2) Values exclude GST.

(3) Percentage changes are calculated on unrounded figures.

Symbol:

R revised

Table 19

Sales – Seasonally Adjusted⁽¹⁾
At December 1997 quarter prices
By industry

Manufacturing industry	Series ref: MANQ.	Quarter								
		2006	2007				2008			
		Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec
\$(million)⁽²⁾										
Meat and dairy products ⁽³⁾	SNMRCZ1AS	3,794	3,687	3,810	3,745	3,724	3,791	3,493	3,483	3,275
Other food	SNMRC03AS	1,460	1,478	1,531	1,557	1,668	1,668	1,635	1,613	1,588
Beverages, malt and tobacco	SNMRCZ2AS	675	670	675	669	670	689	681	656	654
Textiles and apparel	SNMRC06AS	590	596	591	599	576	552	529	516	509
Wood products	SNMRC07AS	1,058	1,040	1,098	1,069	1,023	975	938	914	920
Paper and paper products ⁽⁴⁾	SNMRC08AS	635	582	616	597	653	632	669	601	595
Printing, publishing and recorded media	SNMRC09AS	721	712	722	702	726	727	716	693	650
Petroleum and industrial chemicals	SNMRC10AS	504	527	529	508	530	532	582	599	422
Rubber, plastic and other chemical products	SNMRC11AS	1,080	1,077	1,054	1,032	1,035	999	983	943	906
Non-metallic mineral products	SNMRC12AS	557	567	573	563	583	584	577	535	536
Basic metals ⁽⁴⁾	SNMRC13AS	447	454	503	486	436	463	566	556	400
Structural, sheet and fabricated metal products	SNMRC14AS	982	1,023	998	957	956	949	960	887	847
Transport equipment ⁽⁴⁾	SNMRC15AS	543	471	533	560	579	543	601	668	546
Machinery and equipment	SNMRC16AS	1,269	1,325	1,338	1,351	1,435	1,405	1,422	1,364	1,377
Furniture and other	SNMRC17AS	439	431	417	420	414	370	399	359	345
All manufacturing excluding meat and dairy products ⁽³⁾	SNMRCZ3AS	10,963	11,014	11,153	11,028	11,284	11,166	11,231	10,840	10,289
All manufacturing	SNMRCZZAS	14,753	14,668	14,983	14,798	14,992	14,893	14,749	14,363	13,593
Percentage change from the previous quarter⁽⁵⁾										
Meat and dairy products ⁽³⁾		-1.0	-2.8	3.3	-1.7	-0.6	1.8	-7.9	-0.3	-6.0
Other food		-2.5	1.2	3.6	1.7	7.2	0.0	-2.0	-1.3	-1.6
Beverages, malt and tobacco		2.4	-0.8	0.9	-1.0	0.2	2.8	-1.2	-3.7	-0.3
Textiles and apparel		-0.1	1.1	-0.9	1.4	-3.8	-4.2	-4.1	-2.6	-1.3
Wood products		1.2	-1.7	5.6	-2.6	-4.3	-4.7	-3.8	-2.6	0.7
Paper and paper products ⁽⁴⁾		2.8	-8.4	5.9	-3.1	9.5	-3.2	5.8	-10.2	-1.0
Printing, publishing and recorded media		-1.2	-1.2	1.3	-2.7	3.4	0.2	-1.4	-3.3	-6.2
Petroleum and industrial chemicals		1.6	4.6	0.4	-4.0	4.4	0.3	9.4	2.9	-29.5
Rubber, plastic and other chemical products		-0.7	-0.3	-2.2	-2.0	0.2	-3.4	-1.6	-4.1	-4.0
Non-metallic mineral products		-0.5	1.8	1.0	-1.7	3.4	0.3	-1.2	-7.4	0.2
Basic metals ⁽⁴⁾		-11.8	1.6	10.8	-3.3	-10.3	6.1	22.2	-1.8	-28.1
Structural, sheet and fabricated metal products		-5.2	4.2	-2.4	-4.1	-0.1	-0.7	1.1	-7.6	-4.4
Transport equipment ⁽⁴⁾		15.2	-13.2	13.3	5.0	3.4	-6.3	10.8	11.0	-18.2
Machinery and equipment		-6.2	4.4	1.0	0.9	6.2	-2.0	1.2	-4.1	0.9
Furniture and other		0.1	-1.7	-3.3	0.7	-1.5	-10.7	8.0	-10.1	-3.8
All manufacturing excluding meat and dairy products ⁽³⁾		-0.9	0.5	1.3	-1.1	2.3	-1.1	0.6	-3.5	-5.1
All manufacturing		-1.0	-0.6	2.2	-1.2	1.3	-0.7	-1.0	-2.6	-5.4

(1) Seasonally adjusted values exclude estimated seasonal fluctuations and are subject to revision each quarter.

(2) Values exclude GST.

(3) This series uses direct seasonal adjustment. In publications prior to December 2008, the values were summed from the component industries.

(4) This series is not seasonally adjusted. This is because it does not have stable seasonality.

(5) Percentage changes are calculated on unrounded figures.

Table 20

Closing Stocks of Finished Goods
At December 1997 quarter prices
By industry

Manufacturing industry	Series ref: MANQ.	Quarter								
		2006	2007				2008			
		Dec	Mar	Jun	Sep	Dec	Mar	Jun	Sep	Dec
\$(million)⁽¹⁾										
Meat and dairy products	SNMRCZ1E	1,952	2,338	1,980	1,211	1,977	2,130	1,801	1,257 R	1,806
Other food	SNMRC03E	487	551	576	585	583	588	513	496	510
Beverages, malt and tobacco	SNMRCZ2E	459	435	520	516	464	450	624	682 R	601
Textiles and apparel	SNMRC06E	301	306	281	296	276	282	275	283	303
Wood products	SNMRC07E	394	396	392	393	370	417	430	447	416
Paper and paper products	SNMRC08E	178	195	200	234	200	245	221	209	200
Printing, publishing and recorded media	SNMRC09E	75	83	69	74	70	69	84	74	77
Petroleum and industrial chemicals	SNMRC10E	164	164	149	193	138	197	170	265	222
Rubber, plastic and other chemical products	SNMRC11E	559	478	488	510	460	451	463	511	462
Non-metallic mineral products	SNMRC12E	137	141	137	146	151	147	153	158	140
Basic metals	SNMRC13E	120	147	158	166	172	165	156	145	127
Structural, sheet and fabricated metal products	SNMRC14E	196	221	229	232	219	205	204	191	193
Transport equipment	SNMRC15E	150	172	199	158	165	160	139	191	150
Machinery and equipment	SNMRC16E	484	454	472	511	529	496	446	454	486
Furniture and other	SNMRC17E	104	92	99	97	91	89	94	101	93
All manufacturing excluding meat and dairy products	SNMRCZ3E	3,809	3,835	3,971	4,112	3,889	3,963	3,971	4,206 R	3,981
All manufacturing	SNMRCZZE	5,761	6,173	5,951	5,323	5,866	6,093	5,773	5,463 R	5,787
Percentage change from the same quarter of the previous year⁽²⁾										
Meat and dairy products		-8.9	-9.8	-6.8	-3.4	1.3	-8.9	-9.0	3.8 R	-8.7
Other food		-10.8	-1.4	11.1	22.3	19.8	6.7	-10.9	-15.2	-12.5
Beverages, malt and tobacco		14.6	4.5	-1.8	13.0	1.1	3.3	19.9	32.1 R	29.6
Textiles and apparel		-11.6	-9.3	-4.5	5.0	-8.3	-7.7	-2.2	-4.4	9.9
Wood products		-8.6	-5.9	-4.3	-6.7	-6.2	5.2	9.8	13.9	12.7
Paper and paper products		-25.1	-11.6	-12.5	16.7	11.9	25.4	10.3	-10.6	0.2
Printing, publishing and recorded media		-8.5	7.1	-2.4	-13.2	-7.2	-16.1	20.7	-0.1	10.7
Petroleum and industrial chemicals		-19.0	3.6	-3.7	10.2	-15.5	20.5	13.9	37.3	60.2
Rubber, plastic and other chemical products		13.5	-6.8	-6.4	-7.4	-17.7	-5.7	-5.3	0.2	0.6
Non-metallic mineral products		6.9	12.9	3.2	12.8	10.2	4.3	11.8	7.9	-7.4
Basic metals		-13.3	2.4	18.6	31.5	42.8	12.8	-1.1	-12.8	-26.0
Structural, sheet and fabricated metal products		-7.4	19.4	7.1	17.4	11.9	-7.3	-11.0	-17.9	-12.1
Transport equipment		14.5	22.8	56.1	17.7	10.1	-6.8	-30.2	20.7	-9.4
Machinery and equipment		12.9	11.2	15.1	13.6	9.4	9.4	-5.5	-11.1	-8.3
Furniture and other		2.1	-14.0	-2.2	-8.1	-11.9	-3.3	-5.8	3.7	1.5
All manufacturing excluding meat and dairy products		-1.7	0.6	3.2	8.4	2.1	3.3	0.0	2.3 R	2.4
All manufacturing		-4.3	-3.6	-0.4	5.5	1.8	-1.3	-3.0	2.6 R	-1.3

(1) Values exclude GST.

(2) Percentage changes are calculated on unrounded figures.

Symbol:

R revised