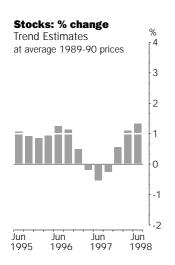


# STOCKS AND SALES, SELECTED INDUSTRIES

AUSTRALIA

EMBARGO: 11:30AM (CANBERRA TIME) MON 31 AUG 1998



#### Sales Trend Estimates at average 1989-90 prices 48500 Wholesalers Manufacturers 44000 39500 <sup>L</sup> 35000 Mar 1997 Jun Sep Dec Mar Jun 1998

# For further information about these and related statistics, contact John Stamolis on O2 9268 4241, or any ABS office shown on the back cover of this publication.

### JUNE QTR KEY FIGURES

#### TREND ESTIMATES(a)

	Jun 97	Mar 98	Jun 98	Mar 98 to Jun 98	Jun 97 to Jun 98
	\$m	\$m	\$m	% change	% change
Stocks held by					
Private businesses	64 107	65 021	65 883	1.3	2.8
Sales by					
Manufacturers	43 371	43 648	44 053	0.9	1.6
Wholesale trade	41 546	43 075	43 786	1.7	5.4

#### SEASONALLY ADJUSTED(a)

	Jun 97	Mar 98	Jun 98	Mar 98 to Jun 98	Jun 97 to Jun 98
	\$m	\$m	\$m	% change	% change
Stocks held by					
Private businesses	64 334	65 147	66 130	1.5	2.8
Sales by					
Manufacturers	43 569	43 592	44 294	1.6	1.7
Wholesale trade	41 878	43 118	44 096	2.3	5.3

# JUNE QTR KEY POINTS

#### STOCKS

(a) At average 1989-90 prices.

- The trend estimate (in constant price terms) for stocks held by private businesses has increased by \$862m (1.3%) since March 1998. Rates of growth have been rising throughout 1997-98 from -0.2% in September 1997 to 1.3% this quarter.
- Stock levels for Manufacturing and Wholesale have been increasing since September 1997, while stocks levels held by Mining and Retail have been relatively stable during 1997-98. For the Manufacturing industry, the most significant increases in stock levels are in Machinery and equipment, Food, beverage and tobacco and Metal product industries.

#### SALES

- Trend estimates for Manufacturers' sales increased by 0.9% and Wholesale trade sales increased by 1.7% from March quarter 1998.
- The first estimate (in current price terms) of Manufacturers' expected sales for 1998-99 is \$208,447m. This is \$7,155m (3.6%) higher than the actual sales in 1997-98 (\$201,292m).

### NOTES

FORTHCOMING ISSUES

ISSUE (Quarter)
September 1998

RELEASE DATE

30 November 1998

December 1998

1 March 1999

CHANGES NEXTISSUE

As announced on 19 March 1998 in the information paper entitled *Introduction of Chain Volume Measures in the Australian National Accounts* (Cat. no. 5248.0), chain volume measures will replace the existing constant price estimates contained in this publication from September 1998 onwards. More details, including the reasons for this change and the likely impact on indicator series, are contained in the information paper.

SAMPLING ERRORS

The estimates in this publication are based on a sample survey of businesses. Because data are not collected from all businesses, the published estimates are subject to sampling variability.

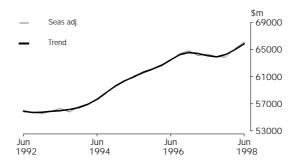
Standard errors for estimates contained in this publication are shown on pages 23-24.

REVISIONS TO TREND

Readers should exercise care in the interpretation of the trend data as the data for the last three quarters in particular are likely to be revised with the addition of subsequent quarters' data. For further information and examples showing the sensitivity of trend data, refer to Trend Estimates in paragraph 34 of the Explanatory Notes.

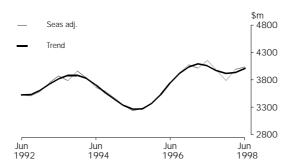
T.J. Skinner Acting Australian Statistician ALL SELECTED INDUSTRIES

The current trend estimate of stocks held by private businesses is \$65,883m. Growth rates fell throughout 1996-97 from 1.1% to -0.5%. In 1997-98 this has been reversed, with growth rates increasing over the last four quarters to 1.3% in the current quarter.



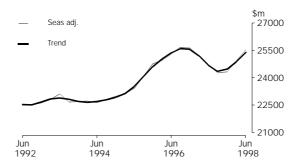
MINING

The current estimate of stocks held by the Mining industry is 4,007m. This is 74m (1.9%) higher than March 1998. This is the second quarter of positive growth after three quarters in which estimates were falling.



MANUFACTURING

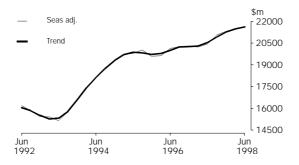
The trend estimate of stocks held by the Manufacturing industry has increased by \$492m (2.0%) since March 1998. Contributing most to this increase were Machinery and equipment \$224m (4.2%), Food, beverages and tobacco \$120m (2.4%) and Metal product \$113m (2.9%).



(a) At average 1989-90 prices

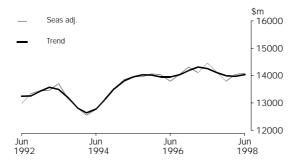
WHOLESALE TRADE

Stocks held by the Wholesale trade industry have increased by \$147m (0.7%) since March 1998. Growth rates have been falling over the past three quarters from 1.9% in September 1997 to 0.7% this quarter.



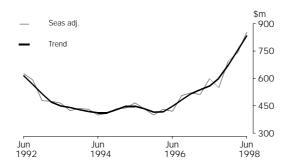
RETAIL TRADE

Trend estimates for the Retail trade industry had fallen over the previous four quarters, but rose by \$73m (0.5%) to \$14,040m this quarter.



OTHER SELECTED INDUSTRIES (Electricity and gas supply; accommodation, cafes and restaurants)

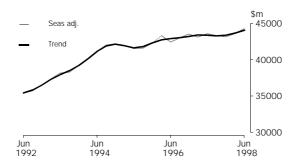
The current trend estimate of stocks held by Other Selected industries is \$832m. Rates of growth over the past two years have been very strong. Over the last financial year, the trend estimate grew by 274m (49.2%), while for the previous year (to June 1997) the trend estimate increased by 111m (24.9%).



(a) At average 1989-90 prices

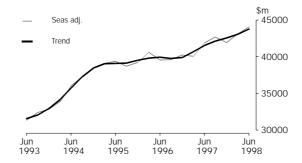
MANUFACTURERS' SALES

Manufacturers' sales increased by \$405m (0.9%) to \$44,053m over the last quarter. After a period of relatively low growth between June 1996 and December 1997, growth rates for Manufacturers' sales have been steadily rising for the last two quarters (0.6% and 0.9% respectively).



WHOLESALE TRADE SALES

The June quarter 1998 trend estimate for Wholesale sales is \$43,786m. Growth rates have been relatively steady over the past six quarters, between 1.0% and 2.1% per quarter.

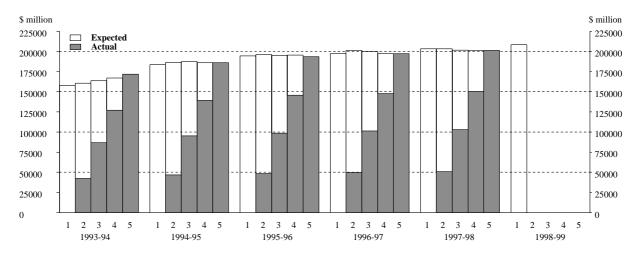


(a) At average 1989-90 prices

### MANUFACTURERS' ACTUAL AND EXPECTED SALES—Current prices

SALES

The graph below shows the 5 estimates collected for each financial year:



### EXPLANATION OF TIMING OF ESTIMATES used in construction of graph above

#### COMPOSITION OF ESTIMATE.....

Estimate	Based on data reported at:	Data on actual sales	Data on short term expected sales	Data on long term expected sales
1	Jul-Aug at beginning of period	Nil	6 months	6 months
2	Oct-Nov, 3-4 months into period	3 months	3 months	6 months
3	Jan-Feb, 6-7 months into period	6 months	6 months	Nil
4	Apr-May, 9-10 months into period	9 months	3 months	Nil
5	Jul-Aug at end of period	12 months	Nil	Nil



# BOOK VALUE OF STOCKS OWNED, By Industry—Current prices

	Mining(a)	Manufacturing	Wholesale trade	Retail trade	Other selected industries(b)	Total selected industries(b)
At end of	\$m	\$m	\$m	\$m	\$m	\$m
			ORIGIN	ΙΔΙ		
			ORIGIN	I//L		
June 1996	4 004	28 431	21 293	16 146	495	70 369
June 1997	4 499	27 893	21 173	17 076	701	71 342
June 1998	4 409	29 209	23 535	16 894	1 044	75 092
1995–96						
June	4 004	28 431	21 293	16 146	495	70 369
1996–97						
September	4 307	28 584	21 439	17 015	609	71 953
December	4 502	28 162	21 385	17 472	685	72 207
March	4 433	28 484	21 211	17 016	617	71 762
June	4 499	27 893	21 173	17 076	701	71 342
1997–98						
September	4 441	27 415	22 371	17 245	677	72 149
December	4 279	27 446	23 219	16 985	949	72 878
March	4 461	28 723	23 321	17 087	931	74 523
June	4 409	29 209	23 535	16 894	1 044	75 092
• • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • • • •	• • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
			SEASONALLY A	ADJUSTED		
June 1996	4 073	28 333	21 591	16 512	515	71 024
June 1997	4 576	27 778	21 469	17 473	730	72 027
June 1997 June 1998	4 484	29 083	23 865	17 473	1 089	75 812
Julie 1996	4 404	29 003	23 003	17 271	1 009	15 612
1995–96						
June <b>1996–97</b>	4 073	28 333	21 591	16 512	515	71 024
September	4 266	28 633	21 331	16 857	618	71 705
December	4 480	28 535	21 259	17 224	640	72 139
March	4 422	28 158	21 157	17 034	628	71 398
June	4 576	27 778	21 469	17 473	730	72 027
1997–98						
September	4 402	27 479	22 245	17 084	687	71 897
December	4 257	27 831	23 087	16 747	886	72 807
March	4 451	28 385	23 270	17 097	948	74 151
June	4 484	29 083	23 865	17 291	1 089	75 812
• • • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
			TREND ESTIN	MATES(C)		
June 1996	4 082	28 487	21 400	16 691	547	71 207
June 1997	4 481	27 764	21 590	17 231	685	71 751
June 1998	4 469	28 963	23 852	17 205	1 074	75 563
1995–96						
June	4 082	28 487	21 400	16 691	547	71 207
1996–97	. 552	20 .07	250			. = = .
September	4 274	28 584	21 358	16 838	590	71 644
December	4 422	28 490	21 224	17 072	632	71 840
March	4 504	28 146	21 214	17 259	656	71 779
June	4 481	27 764	21 590	17 231	685	71 751
1997–98						
September	4 405	27 607	22 223	17 077	749	72 061
December	4 370	27 887	22 876	16 986	849	72 967
March	4 394	28 390	23 403	17 031	963	74 181
June	4 469	28 963	23 852	17 205	1 074	75 563

<sup>(</sup>a) In using the seasonally adjusted series extra care should be exercised because of the difficulties associated with reliably estimating its seasonal pattern.

<sup>(</sup>c) Revised. See paragraph 34 of the Explanatory Notes.

<sup>(</sup>b) See paragraph 2 of the Explanatory Notes.



# BOOK VALUE OF STOCKS OWNED, By Industry—Constant prices(a)

	Mining(b)	Manufacturing	Wholesale trade	Retail trade	Other selected industries(c)	Total selected industries(c)		
At end of	\$m	\$m	\$m	\$m	\$m	\$m		
• • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	ORIGI	NIAI	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		
			ORIGI	NAL				
June 1996	3 689	25 381	19 857	13 480	404	62 810		
June 1997	4 085	24 798	20 133	14 128	575	63 719		
June 1998	3 967	25 622	21 328	13 766	818	65 500		
1995–96								
June	3 689	25 381	19 857	13 480	404	62 810		
1996-97								
September	3 962	25 618	20 357	14 176	498	64 611		
December	4 095	25 309	20 421	14 525	556	64 905		
March	4 021	25 515	20 282	14 097	505	64 421		
June	4 085	24 798	20 133	14 128	575	63 719		
1997–98								
September	4 009	24 208	21 169	14 264	542	64 193		
December	3 808	23 992	21 423	13 988	745	63 956		
March	3 997	25 216	21 507	14 031	726	65 478		
June	3 967	25 622	21 328	13 766	818	65 500		
• • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • • • • • • •	SEASONALLY	ADJUSTED	• • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		
June 1996	3 753	25 305	20 134	13 786	420	63 397		
June 1997	4 155	24 709	20 415	14 456	599	64 334		
June 1998	4 034	25 527	21 627	14 089	853	66 130		
1995–96								
June	3 753	25 305	20 134	13 786	420	63 397		
1996-97								
September	3 925	25 658	20 255	14 044	505	64 387		
December	4 075	25 633	20 302	14 318	520	64 847		
March	4 011	25 225	20 230	14 112	513	64 091		
June	4 155	24 709	20 415	14 456	599	64 334		
1997–98								
September	3 974	24 259	21 050	14 131	549	63 964		
December	3 788	24 318	21 300	13 793	695	63 895		
March	3 988	24 921	21 460	14 040	739	65 147		
June	4 034	25 527	21 627	14 089	853	66 130		
• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	TREND ESTI	NAATEC(A)	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		
			IKEND ESII	MATES(U)				
June 1996	3 745	25 370	20 002	13 952	447	63 515		
June 1997	4 056	24 691	20 541	14 261	558	64 107		
June 1998	4 007	25 375	21 630	14 040	832	65 883		
100E 06								
<b>1995–96</b> June	3 745	25 370	20 002	13 952	447	63 515		
1996–97	3 743	23 370	20 002	15 752	447	03 313		
September	3 919	25 589	20 225	14 027	481	64 241		
December	4 036	25 567	20 259	14 182	516	64 560		
March	4 093	25 210	20 298	14 309	537	64 447		
June	4 056	24 691	20 541	14 261	558	64 107		
1997-98								
September	3 966	24 349	20 923	14 112	600	63 950		
December	3 916	24 476	21 261	13 994	670	64 316		
March	3 933	24 883	21 483	13 967	753	65 021		
June	4 007	25 375	21 630	14 040	832	65 883		
	(a) At average 1	080_00 prices		(h) In using the se	easonally adjusted series extra	a care, should be		
	(a) At average 1	707-70 prices.						
	(c) See paragrap	oh 2 of the Explanatory Note	es.	exercised because of the difficulties associated with reliably estimating its seasonal pattern.				

(d) Revised. See paragraph 34 of the Explanatory Notes.

<sup>8</sup> 



# PERCENTAGE CHANGES IN STOCKS OWNED, By Industry—Constant prices(a)

June 1996		Mining(b)	Manufacturing	Wholesale trade	Retail trade	Other selected industries(c)	Total selected industries(c)
June 1996	Year to/Quarter to	%	%	%	%	%	%
June 1996	• • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	ORIGINA		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
June 1997   10.8   2-2.3   1.4   4.8   42.4   1.4     June 1998   2-9   3.3   5.9   2-6   42.3   2.8     S985-96   June   4.5   0.6   0.8   -3.7   -4.7   -0.1     September   7.4   0.9   2.5   5.2   23.4   2.9     December   3.3   -1.2   0.3   2.5   11.6   0.5     March   -1.8   0.8   0.7   -2.9   -9.2   -0.7     June   1.6   -2.8   -0.7   0.2   13.9   -1.1     S97-98   September   -1.9   -2.4   5.1   1.0   -5.7   0.7     December   -3.0   -0.9   1.2   -1.9   37.4   -0.4     March   -3.8   1.6   -0.8   -1.9   12.7   0.0     SEASONALLY ADJUSTED    June   1996   15.9   8.1   1.8   -1.2   -10.1   4.2     June   1996   15.9   8.1   1.8   -1.2   -10.1   4.2     June   1998   -2.9   3.3   5.9   -2.5   42.5   2.8     S985-96   June   0.5   1.4   2.5   -1.8   -2.5   1.3     S996-97   September   4.6   1.4   0.6   1.9   20.5   1.6     December   3.8   -0.1   0.2   2.0   2.8   0.7     June   3.0   -2.0   0.9   2.4   1.7   0.4     June   3.0   -2.0   0.9   2.4   1.7   0.4     June   3.5   -2.7   2.7   2.2   2.9   0.8     September   4.4   -1.8   3.1   -2.2   -2.3   -0.6     September   -4.7   0.2   1.2   -2.4   -2.4   -2.3   -0.6     September   -4.7   0.2   1.2   -2.4   -2.4   -2.3   -0.6     September   -4.7   0.9   1.1   0.5   7.7   1.1     June   1996   14.8   7.9   0.7   0.0   -0.3   4.1     June   1997   8.3   -2.7   2.7   2.2   2.9   0.9     June   1.1   2.4   0.8   0.4   15.5   1.5     June   1996   1.4   -1.4   0.2   0.9   4.1   0.2   0.9     June   1.7   0.9   1.1   0.5   7.7   1.1     September   -4.7   0.9   1.1   0.5   0.7   0.0   0.3   0.0     September   -4.7   0.9   1.1   0.5   0.7   0.0   0.3   0.0     September   -4.7   0.9   1.1   0.5   0.7						40.0	
995-96 June 1998							
995-96 June 4.5 0.6 0.8 -3.7 -4.7 -0.1 996-97 September 7.4 0.9 2.5 5.2 23.4 2.9 December 3.3 -1.2 0.3 2.5 11.6 0.5 March -1.8 0.8 -0.7 -2.9 -9.2 -0.7 June 1.0 -2.8 -0.7 0.2 13.9 -1.1 997-98 September -1.9 -2.4 5.1 10 -5.7 0.7 December -5.0 -0.9 1.2 -1.9 37.4 -0.4 March -0.8 1.0 -0.8 -1.9 12.7 0.0  ***SEASONALLY ADJUSTED**  ***SEASONALLY ADJUSTED**  ***June 1996 15.9 8.1 1.8 -1.2 -10.1 4.2 June 1996 15.9 8.1 1.8 -1.2 -10.1 4.2 June 1998 -2.9 3.3 5.9 -2.5 42.5 2.8  995-96 June 6.5 1.4 2.5 -1.8 -2.5 1.3 996-97 September 4.6 1.4 0.6 1.9 20.5 1.6 December 3.8 -0.1 0.2 2.0 2.8 0.7 June 3.6 -2.0 0.9 2.4 1.4 -1.2 -1.2 June 3.6 -2.0 0.9 2.4 1.7 0.4 June 3.0 0.5 1.6 0.8 1.8 1.8 0.3 June 1996 4.4 1.8 7.9 0.7 0.0 0.3 4.1 June 1997 8.3 2.2 2.7 2.7 2.2 24.9 0.9 June 1996 9.2 2.8 5.3 1.1 0.0 7.5 1.3 PSEPSON SETIMATES (d)  ***SEPSON SETIMATES (d)***  ***TREND ESTIMATES							
September   7.4	June 1998	-2.9	3.3	5.9	-2.6	42.3	2.8
996-97 September 7.4 0.9 2.5 5.2 234 2.9 December 3.3 -1.2 0.3 2.5 11.6 0.5 March -1.8 0.8 -0.7 -2.9 1.92 0.7 June 1.6 -2.8 -0.7 0.2 13.9 1.1 997-98 September -1.9 -2.4 5.1 1.0 5.7 0.7 December -5.0 -0.0 1.2 -1.9 37.4 0.4 March 5.0 5.1 0.4 0.3 -2.5 2.4 June -0.8 1.6 -0.8 -1.9 12.7 0.0  SEASONALLY ADJUSTED  SEASONALLY ADJUS	L995–96						
September   7,4   0,9   2,5   5,2   2,34   2,9	June	4.5	0.6	0.8	-3.7	-4.7	-0.1
December   3.3   -1.2   0.3   2.5   11.6   0.5     March   -1.8   0.8   -0.7   -2.9   -9.2   -0.7     June   1.6   -2.8   -0.7   0.2   13.9   -1.1     September   -1.9   -2.4   5.1   1.0   -5.7   0.7     December   -5.0   -0.9   1.2   -1.9   37.4   -0.4     March   5.0   5.1   0.4   0.3   -2.5   2.4     June   -0.8   1.6   -0.8   -1.9   12.7   0.0	.996–97						
December   3.3   -1.2   0.3   2.5   11.6   0.5     March   -1.8   0.8   -0.7   -2.9   -9.2   -0.7     June   1.6   -2.8   -0.7   0.2   13.9   -1.1     September   -1.9   -2.4   5.1   1.0   -5.7   0.7     December   -5.0   -0.9   1.2   -1.9   37.4   -0.4     March   5.0   5.1   0.4   0.3   -2.5   2.4     June   -0.8   1.6   -0.8   -1.9   12.7   0.0	September	7.4	0.9	2.5	5.2	23.4	2.9
March   1.8   0.8   -0.7   -2.9   -9.2   -0.7   -9.8   -9.7   -9.9   -9.5   -9.7   -9.8   -9.7   -9.8   -9.7   -9.2   -9.7   -9.8   -9.7   -9.2   -9.7   -9.8   -9.7   -9.2   -9.7   -9.		3.3	-1.2	0.3	2.5	11.6	0.5
June   1.6							
997-98 September -1-9 -2-4 5.1 1.0 -5-7 0.7 December -5-0 -0-9 1.2 -1-9 37.4 -0.4 March 5.0 5.1 0.4 0.3 -2-5 2.4 June -0-8 1.6 -0.8 -1-9 12.7 0.0  ***SEASONALLY ADJUSTED**  ***SEASONALLY ADJUSTED**  ***SEASONALLY ADJUSTED**  ***June 1996 15-9 8.1 1.8 -1.2 -10.1 4.2 June 1997 10.7 -2.4 1.4 4.9 42.8 1.5 June 1998 -2.9 3.3 5.9 -2.5 42.5 2.8  995-96  **June -0-8 -0.5 1.4 2.5 -1.8 -2.5 1.3 **June -0-8 -0.5 1.4 2.5 -1.8 -2.5 1.3 **June -0-8 -0.5 1.4 0.6 1.9 20.5 1.6 **December -0.6 -0.6 -0.0 -0.0 2.0 2.8 0.7 **June -0.6 -0.0 -0.0 -0.0 2.4 16.7 0.4 **June -0.6 -0.0 -0.4 -1.4 -1.2 -1.2 -1.2 June -0.6 -2.0 0.9 2.4 16.7 0.4 **June -0.6 0.5 0.5 0.8 1.8 6.3 2.0 **June -0.7 0.0 0.7 0.0 0.7 0.5 1.5 **June -0.9 1.1 0.0 7.5 1.3 **June -0.9 1.1 0.0 7.5 1.3 **June -0.9 1.1 0.0 7.5 1.3 **June -0.9 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0							
September   -1.9		1.0	-2.0	-0.7	0.2	13.9	-1.1
December   -5.0   -0.9   1.2   -1.9   37.4   -0.4		1.0	2.4	г 1	1.0	F 7	0.7
March   5.0   5.1   0.4   0.3   -2.5   2.4   June   -0.8   1.6   -0.8   -1.9   12.7   0.0							
SEASONALLY ADJUSTED							
SEASONALLY ADJUSTED	March	5.0	5.1	0.4	0.3		2.4
June 1996 15.9 8.1 1.8 -1.2 -10.1 4.2 June 1997 10.7 -2.4 1.4 4.9 42.8 1.5 June 1998 -2.9 3.3 5.9 -2.5 42.5 2.8  995-96 June 6.5 1.4 2.5 -1.8 -2.5 1.3  996-97 September 4.6 1.4 0.6 1.9 20.5 1.6 December 3.8 -0.1 0.2 2.0 2.8 0.7 March -1.6 -1.6 -0.4 -1.4 -1.2 -1.2 June 997-98 September 4.4 -1.8 3.1 -2.2 -8.3 -0.6 December -4.7 0.2 1.2 -2.4 26.5 -0.1 March 5.3 2.5 0.8 1.8 6.3 2.0 June 1996 14.8 7.9 0.7 0.0 -0.3 4.1 June 1997 8.3 -2.7 2.7 2.2 24.9 0.9 June 1998 -1.2 2.8 5.3 -1.6 49.2 2.8  995-96 June 5.9 1.3 1.1 0.0 7.5 1.3  996-97 September 4.7 0.9 1.1 0.5 7.7 1.1 December 5.9 0.9 1.1 0.5 7.7 1.1 December 3.0 -0.1 0.2 0.9 4.1 -0.2 June 1996 14.8 -1.2 2.8 5.3 -1.6 49.2 2.8  995-96 June 5.9 1.3 1.1 0.5 7.7 1.1 December 3.0 -0.1 0.2 1.1 7.2 0.5 March 1.4 -1.4 0.2 0.9 4.1 -0.2 June 0.9 -2.1 1.2 -0.3 3.9 -0.5  997-98 September 4.7 0.9 1.1 0.5 7.7 1.1 December 3.0 -0.1 0.2 1.1 7.2 0.5 March 1.4 -1.4 0.2 0.9 4.1 -0.2 June 0.9 -2.1 1.2 -0.3 3.9 -0.5  997-98 September -0.9 -2.1 1.2 -0.3 3.9 -0.5  997-98 September -0.2 -1.4 1.9 -1.0 7.6 -0.2 December -1.3 0.5 1.7 1.0 -0.2 1.5 1.1 June 1.9 2.0 0.7 0.5 1.3	June	-0.8	1.6	-0.8	-1.9	12.7	0.0
June 1996 15.9 8.1 1.8 -1.2 -10.1 4.2 June 1997 10.7 -2.4 1.4 4.9 42.8 1.5 June 1998 -2.9 3.3 5.9 -2.5 42.5 2.8  995-96 June 6.5 1.4 2.5 -1.8 -2.5 1.3  996-97 September 4.6 1.4 0.6 1.9 20.5 1.6 December 3.8 -0.1 0.2 2.0 2.8 0.7 March -1.6 -1.6 -0.4 -1.4 -1.2 -1.2 June 997-98 September 4.4 -1.8 3.1 -2.2 -8.3 -0.6 December -4.7 0.2 1.2 -2.4 26.5 -0.1 March 5.3 2.5 0.8 1.8 6.3 2.0 June 1996 14.8 7.9 0.7 0.0 -0.3 4.1 June 1997 8.3 -2.7 2.7 2.2 24.9 0.9 June 1998 -1.2 2.8 5.3 -1.6 49.2 2.8  995-96 June 5.9 1.3 1.1 0.0 7.5 1.3  996-97 September 4.7 0.9 1.1 0.5 7.7 1.1 December 5.9 0.9 1.1 0.5 7.7 1.1 December 3.0 -0.1 0.2 0.9 4.1 -0.2 June 1996 14.8 -1.2 2.8 5.3 -1.6 49.2 2.8  995-96 June 5.9 1.3 1.1 0.5 7.7 1.1 December 3.0 -0.1 0.2 1.1 7.2 0.5 March 1.4 -1.4 0.2 0.9 4.1 -0.2 June 0.9 -2.1 1.2 -0.3 3.9 -0.5  997-98 September 4.7 0.9 1.1 0.5 7.7 1.1 December 3.0 -0.1 0.2 1.1 7.2 0.5 March 1.4 -1.4 0.2 0.9 4.1 -0.2 June 0.9 -2.1 1.2 -0.3 3.9 -0.5  997-98 September -0.9 -2.1 1.2 -0.3 3.9 -0.5  997-98 September -0.2 -1.4 1.9 -1.0 7.6 -0.2 December -1.3 0.5 1.7 1.0 -0.2 1.5 1.1 June 1.9 2.0 0.7 0.5 1.3		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • •
June 1997 10.7				SEASONALLY A	DJUSTED		
June 1997 10.7	June 1996	15.9	8.1	1.8	-1.2	-10.1	4.2
June 1998							
995-96 June 6.5 1.4 2.5 -1.8 -2.5 1.3 996-97 September 4.6 1.4 0.6 1.9 20.5 1.6 December 3.8 -0.1 0.2 2.0 2.8 0.7 March -1.6 -1.6 -0.4 -1.4 -1.2 -1.2 June 3.6 -2.0 0.9 2.4 16.7 0.4 997-98 September -4.4 -1.8 3.1 -2.2 -8.3 -0.6 December -4.7 0.2 1.2 -2.4 26.5 -0.1 March 5.3 2.5 0.8 1.8 6.3 2.0 June 1.1 2.4 0.8 0.4 15.5 1.5  TREND ESTIMATES(d)  June 1996 14.8 7.9 0.7 0.0 -0.3 4.1 June 1997 8.3 -2.7 2.7 2.2 24.9 0.9 June 1998 -1.2 2.8 5.3 -1.6 49.2 2.8  995-96 June 5.9 1.3 1.1 0.0 7.5 1.3 996-97 September 4.7 0.9 1.1 0.5 7.7 1.1 December 3.0 -0.1 0.2 1.1 0.5 7.7 1.1 December 3.0 -0.1 0.2 1.1 7.2 0.5 March 1.4 -1.4 0.2 0.9 4.1 -0.2 June -0.9 -2.1 1.2 -0.3 3.9 -0.5 997-98 September -2.2 -1.4 1.9 -1.0 7.6 -0.2 December -1.3 0.5 1.7 1.0 -0.2 12.5 1.1 June 1.9 -1.0 7.6 -0.2 December -1.3 0.5 1.7 1.0 -0.2 12.5 1.1 June 1.9 1.9 2.0 0.7 0.5 10.4 1.3							
986-97 September	Julie 1996	-2.7	3.3	5.7	-2.5	42.5	2.0
September   4.6	.995–96						
September         4.6         1.4         0.6         1.9         20.5         1.6           December         3.8         -0.1         0.2         2.0         2.8         0.7           March         -1.6         -0.4         -1.4         -1.2         -1.2           June         3.6         -2.0         0.9         2.4         16.7         0.4           997-98		6.5	1.4	2.5	-1.8	-2.5	1.3
December   3.8   -0.1   0.2   2.0   2.8   0.7							
March June         -1.6 June         -1.6 June         -1.6 June         -1.6 June         -1.2 June         -1.3 June         -1.5 June         -1.1 June         -1.2 June         <	September		1.4		1.9		1.6
June 3.6 -2.0 0.9 2.4 16.7 0.4 997-98 September -4.4 -1.8 3.1 -2.2 -8.3 -0.6 December -4.7 0.2 1.2 -2.4 26.5 -0.1 March 5.3 2.5 0.8 1.8 6.3 2.0 June 1.1 2.4 0.8 0.4 15.5 1.5  TREND ESTIMATES(d)   TREND ESTIMATES(d)  June 1996 14.8 7.9 0.7 0.0 -0.3 4.1 June 1997 8.3 -2.7 2.7 2.2 24.9 0.9 June 1998 -1.2 2.8 5.3 -1.6 49.2 2.8  995-96 June 5.9 1.3 1.1 0.0 7.5 1.3 996-97 September 4.7 0.9 1.1 0.5 7.7 1.1 December 3.0 -0.1 0.2 1.1 7.2 0.5 March 1.4 -1.4 0.2 0.9 4.1 -0.2 June -0.9 -2.1 1.2 -0.3 3.9 -0.5 997-98 September -2.2 -1.4 1.9 -1.0 7.6 -0.2 December -1.3 0.5 1.7 1.0 0.6 March 0.5 1.7 1.0 0.0 7.6 -0.2 December -1.3 0.5 1.6 -0.8 11.7 0.6 March 0.5 1.7 1.0 0.0 7.6 -0.2 December -1.3 0.5 1.6 -0.8 11.7 0.6 March 0.5 1.7 1.0 0.0 2 12.5 1.1 June 1.9 2.0 0.7 0.5 10.4 1.3	December	3.8	-0.1	0.2	2.0	2.8	0.7
June   3.6   -2.0   0.9   2.4   16.7   0.4     997-98   September   -4.4   -1.8   3.1   -2.2   -8.3   -0.6     December   -4.7   0.2   1.2   -2.4   26.5   -0.1     March   5.3   2.5   0.8   1.8   6.3   2.0     June   1.1   2.4   0.8   0.4   15.5   1.5      TREND ESTIMATES(d)      June 1996   14.8   7.9   0.7   0.0   -0.3   4.1     June 1997   8.3   -2.7   2.7   2.2   24.9   0.9     June 1998   -1.2   2.8   5.3   -1.6   49.2   2.8      995-96   June   5.9   1.3   1.1   0.0   7.5   1.3     996-97   September   4.7   0.9   1.1   0.5   7.7   1.1     December   3.0   -0.1   0.2   1.1   7.2   0.5     March   1.4   -1.4   0.2   0.9   4.1   -0.2     June   -0.9   -2.1   1.2   -0.3   3.9   -0.5     997-98   September   -2.2   -1.4   1.9   -1.0   7.6   -0.2     December   -1.3   0.5   1.7   1.0   0.0   2.1     June   1.9   2.0   0.7   0.5   10.4   1.3      June   1.9   2.0   0.7   0.5   10.4   1.3	March	-1.6	-1.6	-0.4	-1.4	-1.2	-1.2
September -4.4 -1.8 3.1 -2.2 -8.3 -0.6 December -4.7 0.2 1.2 -2.4 26.5 -0.1 March 5.3 2.5 0.8 1.8 6.3 2.0 June 1.1 2.4 0.8 0.4 15.5 1.5         TREND ESTIMATES(d)         TREND ESTIMATES(d)         June 1996 14.8 7.9 0.7 0.0 -0.3 4.1 June 1997 8.3 -2.7 2.7 2.7 2.2 24.9 0.9 June 1998 -1.2 2.8 5.3 -1.6 49.2 2.8         995-96 June 5.9 1.3 1.1 0.0 7.5 1.3 996-97         September 4.7 0.9 1.1 0.5 7.7 1.1 December 3.0 -0.1 0.2 1.1 7.2 0.5 March 1.4 -1.4 0.2 0.9 4.1 -0.2 June -0.9 -2.1 1.2 -0.3 3.9 -0.5 997-98         September -2.2 -1.4 1.9 -1.0 7.6 -0.2 December -1.3 0.5 1.7 1.0 -0.2 12.5 1.1 June 1.9 0.5 1.7 0.6 March 0.5 1.7 1.0 -0.2 12.5 1.1 June 1.9 2.0 0.7 0.5 10.4 1.3	June	3.6	-2.0	0.9	2.4	16.7	0.4
September         -4.4         -1.8         3.1         -2.2         -8.3         -0.6           December         -4.7         0.2         1.2         -2.4         26.5         -0.1           March         5.3         2.5         0.8         1.8         6.3         2.0           TREND ESTIMATES(d)           TREND ESTIMATES(d)           TREND ESTIMATES(d)           June 1996         14.8         7.9         0.7         0.0         -0.3         4.1           June 1997         8.3         -2.7         2.7         2.2         24.9         0.9           June 1998         -1.2         2.8         5.3         -1.6         49.2         2.8           995-96           June         5.9         1.3         1.1         0.0         7.5         1.3           September         4.7         0.9         1.1         0.5         7.7         1.1           December         3.0         -0.1         0.2         1.1         7.2         0.5           March         1.4         -1.4         0.2         0.9         4.1         -0.2							
December   -4.7   0.2   1.2   -2.4   26.5   -0.1		_4.4	_1 0	2.1	_2 2	_0.3	-0.6
March June 1.1 2.4 0.8 0.4 15.5 1.5   TREND ESTIMATES(d)   June 1996 14.8 7.9 0.7 0.0 0.0 0.3 4.1 June 1997 8.3 2.7 2.7 2.7 2.2 24.9 0.9 June 1998 -1.2 2.8 5.3 -1.6 49.2 2.8  995-96 June 5.9 1.3 1.1 0.0 7.5 1.3 996-97 September 4.7 0.9 1.1 0.2 1.1 0.5 7.7 1.1 December 3.0 0.0 1.4 1.4 0.2 0.9 1.1 7.2 0.5 March 1.4 -1.4 0.2 0.9 1.1 1.2 -0.3 3.9 997-98 September -2.2 -1.4 1.9 -1.0 7.6 -0.2 December -1.3 0.5 1.7 1.0 0.6 March 0.5 1.7 1.0 0.7 0.5 10.4 1.3							
June   1.1   2.4   0.8   0.4   15.5   1.5							
September   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.4   1.2   1.5							
June 1996       14.8       7.9       0.7       0.0       -0.3       4.1         June 1997       8.3       -2.7       2.7       2.2       24.9       0.9         June 1998       -1.2       2.8       5.3       -1.6       49.2       2.8         995-96         June       5.9       1.3       1.1       0.0       7.5       1.3         996-97       September       4.7       0.9       1.1       0.5       7.7       1.1         December       3.0       -0.1       0.2       1.1       7.2       0.5         March       1.4       -1.4       0.2       0.9       4.1       -0.2         June       -0.9       -2.1       1.2       -0.3       3.9       -0.5         997-98       September       -2.2       -1.4       1.9       -1.0       7.6       -0.2         December       -1.3       0.5       1.6       -0.8       11.7       0.6         March       0.5       1.7       1.0       -0.2       12.5       1.1         June       1.9       2.0       0.7       0.5       10.4       1.3 <td>June</td> <td>1.1</td> <td>2.4</td> <td>8.0</td> <td>0.4</td> <td>15.5</td> <td>1.5</td>	June	1.1	2.4	8.0	0.4	15.5	1.5
June 1996       14.8       7.9       0.7       0.0       -0.3       4.1         June 1997       8.3       -2.7       2.7       2.2       24.9       0.9         June 1998       -1.2       2.8       5.3       -1.6       49.2       2.8         995-96         June       5.9       1.3       1.1       0.0       7.5       1.3         996-97       September       4.7       0.9       1.1       0.5       7.7       1.1         December       3.0       -0.1       0.2       1.1       7.2       0.5         March       1.4       -1.4       0.2       0.9       4.1       -0.2         June       -0.9       -2.1       1.2       -0.3       3.9       -0.5         997-98       September       -2.2       -1.4       1.9       -1.0       7.6       -0.2         December       -1.3       0.5       1.6       -0.8       11.7       0.6         March       0.5       1.7       1.0       -0.2       12.5       1.1         June       1.9       2.0       0.7       0.5       10.4       1.3 <td></td> <td>• • • • • • • • • • •</td> <td>• • • • • • • • • • • • • • • • • • • •</td> <td>TREND ESTIMA</td> <td>ATES(4)</td> <td>• • • • • • • • • • • • • • • • • • • •</td> <td>• • • • • • • • • • • • • • • •</td>		• • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	TREND ESTIMA	ATES(4)	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • •
June 1997       8.3       -2.7       2.7       2.2       24.9       0.9         June 1998       -1.2       2.8       5.3       -1.6       49.2       2.8         995-96         June       5.9       1.3       1.1       0.0       7.5       1.3         996-97       September       4.7       0.9       1.1       0.5       7.7       1.1         December       3.0       -0.1       0.2       1.1       7.2       0.5         March       1.4       -1.4       0.2       0.9       4.1       -0.2         June       -0.9       -2.1       1.2       -0.3       3.9       -0.5         997-98         September       -2.2       -1.4       1.9       -1.0       7.6       -0.2         December       -1.3       0.5       1.6       -0.8       11.7       0.6         March       0.5       1.7       1.0       -0.2       12.5       1.1         June       1.9       2.0       0.7       0.5       10.4       1.3							
995-96       June     5.9     1.3     1.1     0.0     7.5     1.3       996-97       September     4.7     0.9     1.1     0.5     7.7     1.1       December     3.0     -0.1     0.2     1.1     7.2     0.5       March     1.4     -1.4     0.2     0.9     4.1     -0.2       June     -0.9     -2.1     1.2     -0.3     3.9     -0.5       997-98       September     -2.2     -1.4     1.9     -1.0     7.6     -0.2       December     -1.3     0.5     1.6     -0.8     11.7     0.6       March     0.5     1.7     1.0     -0.2     12.5     1.1       June     1.9     2.0     0.7     0.5     10.4     1.3							
995-96       June     5.9     1.3     1.1     0.0     7.5     1.3       996-97       September     4.7     0.9     1.1     0.5     7.7     1.1       December     3.0     -0.1     0.2     1.1     7.2     0.5       March     1.4     -1.4     0.2     0.9     4.1     -0.2       June     -0.9     -2.1     1.2     -0.3     3.9     -0.5       997-98       September     -2.2     -1.4     1.9     -1.0     7.6     -0.2       December     -1.3     0.5     1.6     -0.8     11.7     0.6       March     0.5     1.7     1.0     -0.2     12.5     1.1       June     1.9     2.0     0.7     0.5     10.4     1.3	June 1997	8.3	-2.7	2.7	2.2	24.9	0.9
June     5.9     1.3     1.1     0.0     7.5     1.3       996-97     September     4.7     0.9     1.1     0.5     7.7     1.1       December     3.0     -0.1     0.2     1.1     7.2     0.5       March     1.4     -1.4     0.2     0.9     4.1     -0.2       June     -0.9     -2.1     1.2     -0.3     3.9     -0.5       997-98     September     -2.2     -1.4     1.9     -1.0     7.6     -0.2       December     -1.3     0.5     1.6     -0.8     11.7     0.6       March     0.5     1.7     1.0     -0.2     12.5     1.1       June     1.9     2.0     0.7     0.5     10.4     1.3							
June     5.9     1.3     1.1     0.0     7.5     1.3       996-97     September     4.7     0.9     1.1     0.5     7.7     1.1       December     3.0     -0.1     0.2     1.1     7.2     0.5       March     1.4     -1.4     0.2     0.9     4.1     -0.2       June     -0.9     -2.1     1.2     -0.3     3.9     -0.5       997-98     September     -2.2     -1.4     1.9     -1.0     7.6     -0.2       December     -1.3     0.5     1.6     -0.8     11.7     0.6       March     0.5     1.7     1.0     -0.2     12.5     1.1       June     1.9     2.0     0.7     0.5     10.4     1.3	995-96						
996-97       September     4.7     0.9     1.1     0.5     7.7     1.1       December     3.0     -0.1     0.2     1.1     7.2     0.5       March     1.4     -1.4     0.2     0.9     4.1     -0.2       June     -0.9     -2.1     1.2     -0.3     3.9     -0.5       997-98       September     -2.2     -1.4     1.9     -1.0     7.6     -0.2       December     -1.3     0.5     1.6     -0.8     11.7     0.6       March     0.5     1.7     1.0     -0.2     12.5     1.1       June     1.9     2.0     0.7     0.5     10.4     1.3		5.0	1 2	1 1	0.0	7.5	1 3
September       4.7       0.9       1.1       0.5       7.7       1.1         December       3.0       -0.1       0.2       1.1       7.2       0.5         March       1.4       -1.4       0.2       0.9       4.1       -0.2         June       -0.9       -2.1       1.2       -0.3       3.9       -0.5         997-98         September       -2.2       -1.4       1.9       -1.0       7.6       -0.2         December       -1.3       0.5       1.6       -0.8       11.7       0.6         March       0.5       1.7       1.0       -0.2       12.5       1.1         June       1.9       2.0       0.7       0.5       10.4       1.3		5.7	1.5	1.1	0.0	7.5	1.0
December       3.0       -0.1       0.2       1.1       7.2       0.5         March       1.4       -1.4       0.2       0.9       4.1       -0.2         June       -0.9       -2.1       1.2       -0.3       3.9       -0.5         997-98         September       -2.2       -1.4       1.9       -1.0       7.6       -0.2         December       -1.3       0.5       1.6       -0.8       11.7       0.6         March       0.5       1.7       1.0       -0.2       12.5       1.1         June       1.9       2.0       0.7       0.5       10.4       1.3		4.7	0.0	1 1	0.5	7 7	1 1
March       1.4       -1.4       0.2       0.9       4.1       -0.2         June       -0.9       -2.1       1.2       -0.3       3.9       -0.5         997-98         September       -2.2       -1.4       1.9       -1.0       7.6       -0.2         December       -1.3       0.5       1.6       -0.8       11.7       0.6         March       0.5       1.7       1.0       -0.2       12.5       1.1         June       1.9       2.0       0.7       0.5       10.4       1.3							
June     -0.9     -2.1     1.2     -0.3     3.9     -0.5       997-98       September     -2.2     -1.4     1.9     -1.0     7.6     -0.2       December     -1.3     0.5     1.6     -0.8     11.7     0.6       March     0.5     1.7     1.0     -0.2     12.5     1.1       June     1.9     2.0     0.7     0.5     10.4     1.3							
997-98       September     -2.2     -1.4     1.9     -1.0     7.6     -0.2       December     -1.3     0.5     1.6     -0.8     11.7     0.6       March     0.5     1.7     1.0     -0.2     12.5     1.1       June     1.9     2.0     0.7     0.5     10.4     1.3							
September         -2.2         -1.4         1.9         -1.0         7.6         -0.2           December         -1.3         0.5         1.6         -0.8         11.7         0.6           March         0.5         1.7         1.0         -0.2         12.5         1.1           June         1.9         2.0         0.7         0.5         10.4         1.3		-0.9	-2.1	1.2	-0.3	3.9	-0.5
December       -1.3       0.5       1.6       -0.8       11.7       0.6         March       0.5       1.7       1.0       -0.2       12.5       1.1         June       1.9       2.0       0.7       0.5       10.4       1.3	.997–98						
December       -1.3       0.5       1.6       -0.8       11.7       0.6         March       0.5       1.7       1.0       -0.2       12.5       1.1         June       1.9       2.0       0.7       0.5       10.4       1.3	September	-2.2	-1.4	1.9	-1.0	7.6	-0.2
March 0.5 1.7 1.0 -0.2 12.5 <b>1.1</b> June 1.9 2.0 0.7 0.5 10.4 <b>1.3</b>			0.5	1.6	-0.8	11.7	
June 1.9 2.0 0.7 0.5 10.4 <b>1.3</b>							
(a) ht guarage 1000, 00 prices	Julio	1.7	2.0	0.7	0.5	10.4	1.0
		(a) At average 10	190, 00 prices		(h) la voisa +h	acapally adjusted assiss =::t-	ra coro

<sup>(</sup>a) At average 1989–90 prices.

<sup>(</sup>c) See paragraph 2 of the Explanatory Notes.

should be exercised because of the difficulties associated with reliably estimating its seasonal pattern.

<sup>(</sup>d) Revised. See paragraph 34 of the Explanatory Notes.





	Food, beverage and tobacco	Textiles, clothing, footwear and leather	Wood and paper products	Printing, publishing and recorded media	Petroleum, coal, chemical and assoc. products	Non- metallic mineral product	Metal product(a)	Machinery and equipment(a)	Other manu- facturing	Total manu– facturing
At end of	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
• • • • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	ORIGINAL	• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • • • •
					OKIGINAL					
June 1996	5 755	1 672	1 727	921	5 821	1 246	4 525	6 093	671	28 431
June 1997	5 911	1 744	1 866	811	5 594	1 330	4 128	5 894	614	27 893
June 1998	6 510	1 785	1 999	971	5 440	1 122	4 286	6 350	746	29 209
1995–96										
June	5 755	1 672	1 727	921	5 821	1 246	4 525	6 093	671	28 431
1996–97										
September	5 489	1 632	1 646	897	5 866	1 336	4 805	6 314	599	28 584
December	5 355	1 703	1 693	840	5 820	1 297	4 691	6 139	623	28 162
March	5 628	1 742	1 746	822	5 898	1 341	4 473	6 294	539	28 484
June <b>1997–98</b>	5 911	1 744	1 866	811	5 594	1 330	4 128	5 894	614	27 893
September	5 764	1 766	1 919	835	5 497	1 283	4 084	5 619	648	27 415
December	5 787	1 748	1 889	906	5 535	1 192	4 063	5 683	645	27 446
March	6 248	1 646	1 917	934	5 535	1 188	4 275	6 242	737	28 723
June	6 510	1 785	1 999	971	5 440	1 122	4 286	6 350	746	29 209
• • • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • • • • •
				SEASO	NALLY ADJ	USTED				
June 1996	5 582	1 667	1 699	923	5 830	1 230	4 594	6 140	669	28 333
June 1997	5 730	1 741	1 836	813	5 592	1 313	4 200	5 944	611	27 778
June 1998	6 309	1 783	1 966	973	5 432	1 108	4 365	6 407	741	29 083
1995–96										
June	5 582	1 667	1 699	923	5 830	1 230	4 594	6 140	669	28 333
1996–97				. = -						==
September	5 533	1 637	1 669	889	5 842	1 330	4 779	6 350	603	28 633
December	5 516	1 712	1 723	842	5 900	1 322	4 667	6 215	639	28 535
March	5 596	1 734	1 721	826	5 839	1 340	4 448	6 129	525	28 158
June	5 730	1 741	1 836	813	5 592	1 313	4 200	5 944	611	27 778
1997–98										
September	5 807	1 770	1 948	828	5 483	1 278	4 057	5 657	652	27 479
December	5 966	1 756	1 919	909	5 610	1 215	4 043	5 751	662	27 831
March	6 212	1 638	1 892	939	5 477	1 186	4 249	6 075	718	28 385
June	6 309	1 783	1 966	973	5 432	1 108	4 365	6 407	741	29 083
• • • • • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • •		ID ESTIMAT		• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • • • • • • • • • • • • •
				IKLN	ID LOTIMAT	L3(b)				
June 1996	5 513	1 674	1 703	916	5 835	1 364	4 650	6 181	650	28 487
June 1997	5 698	1 758	1 840	817	5 644	1 312	4 212	5 887	596	27 764
June 1998	6 328	1 721	1 933	978	5 455	1 120	4 345	6 346	736	28 963
1995–96										
June	5 513	1 674	1 703	916	5 835	1 364	4 650	6 181	650	28 487
1996–97	E E 4.4	1 / / 0	1 (00	005	E 000	1 241	4.707	( 240	400	00.504
September	5 544	1 668	1 683	885	5 882	1 341	4 706	6 248	628	28 584
December	5 549	1 690	1 700	850	5 872	1 330	4 647	6 258	594	28 490
March June	5 599 5 698	1 728 1 758	1 755 1 840	820 817	5 778 5 644	1 328 1 312	4 451 4 212	6 107 5 887	579 596	28 146 27 764
1997–98	2 040	1 /30	1 040	01/	5 044	1312	4 ∠ 1 ∠	5 007	570	Z1 10 <del>4</del>
September	5 830	1 750	1 902	844	5 551	1 275	4 075	5 744	635	27 607
December	5 992	1 729	1 923	891	5 524	1 225	4 103	5 821	679	27 887
March	6 164	1 717	1 927	938	5 498	1 172	4 212	6 053	709	28 390
June	6 328	1 721	1 933	978	5 455	1 120	4 345	6 346	736	28 963

<sup>(</sup>a) In using the seasonally adjusted series extra care should be exercised because of the difficulties associated with reliably estimating its seasonal pattern.

<sup>(</sup>b) Revised. See paragraph 34 of the Explanatory Notes.



	Food, beverage and tobacco	Textiles, clothing, footwear and leather	Wood and paper products	Printing, publishing and recorded media	Petroleum, coal, chemical and assoc. products	Non- metallic mineral product	Metal product(b)	Machinery and equipment(b)	Other manu- facturing	Total manu- facturing
At end of	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • • •			• • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • • •
				C	RIGINAL					
June 1996	4 905	1 498	1 520	779	5 160	1 126	4 328	5 453	612	25 381
June 1997	4 976	1 548	1 652	716	5 004	1 196	3 894	5 254	558	24 798
June 1998	5 317	1 587	1 730	822	4 981	1 000	3 986	5 531	669	25 622
1995–96										
June	4 905	1 498	1 520	779	5 160	1 126	4 328	5 453	612	25 381
1996–97	. 700	,6	. 020	,	0.00	20	. 020	0 100	0.2	20 001
September	4 680	1 466	1 462	773	5 176	1 217	4 629	5 669	548	25 618
December	4 587	1 540	1 504	727	5 068	1 183	4 588	5 541	569	25 309
March	4 785	1 565	1 542	724	5 223	1 218	4 305	5 660	493	25 515
June	4 976	1 548	1 652	716	5 004	1 196	3 894	5 254	558	24 798
1997–98	4 770	1 5/7	1 (00	705	4.007	1 1 5 4	2.010	4.000	FOF	04.000
September	4 770	1 567	1 698	735	4 896	1 154	3 810	4 993	585	24 208
December March	4 719 5 121	1 539	1 663 1 676	793 804	4 854	1 068 1 064	3 766 3 976	5 008	581 663	23 992 25 216
June	5 317	1 453 1 587	1 730	804 822	5 001 4 981	1 004	3 976 3 986	5 458 5 531	669	25 216
					4 701	1 000	3 700	3 331	007	25 022
• • • • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • • •		ALLY ADJUS	ΓED	• • • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • • • • • •
June 1996	4 758	1 493	1 495	781	5 169	1 111	4 394	5 495	611	25 305
June 1997	4 824	1 545	1 624	718	5 002	1 181	3 962	5 299	555	24 709
June 1998	5 153	1 585	1 701	823	4 974	987	4 060	5 581	664	25 527
400= 00										
<b>1995–96</b> June	4 758	1 493	1 495	781	5 169	1 111	4 394	5 495	611	25 305
1996–97	4 730	1 473	1 475	701	3 107	1 111	4 374	3 473	011	25 505
September	4 717	1 470	1 483	766	5 154	1 211	4 604	5 702	550	25 658
December	4 725	1 548	1 530	728	5 138	1 206	4 565	5 610	583	25 633
March	4 758	1 557	1 520	728	5 170	1 216	4 282	5 512	481	25 225
June	4 824	1 545	1 624	718	5 002	1 181	3 962	5 299	555	24 709
1997–98										
September	4 806	1 571	1 724	728	4 883	1 149	3 784	5 027	587	24 259
December	4 865	1 547	1 689	795	4 920	1 090	3 748	5 068	596	24 318
March	5 091	1 446	1 653	808	4 949	1 061	3 953	5 312	648	24 921
June	5 153	1 585	1 701	823	4 974	987	4 060	5 581	664	25 527
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • • •				• • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • • •
				IREND	ESTIMATES	(c)				
June 1996	4 708	1 498	1 485	768	5 155	1 185	4 445	5 534	593	25 370
June 1997	4 786	1 567	1 628	721	5 014	1 183	3 989	5 262	542	24 691
June 1998	5 157	1 525	1 676	831	4 973	1 002	4 025	5 523	664	25 375
1995–96										
June	4 708	1 498	1 485	768	5 155	1 185	4 445	5 534	593	25 370
1996–97										
September	4 737	1 502	1 492	759	5 172	1 184	4 553	5 617	574	25 589
December	4 740	1 523	1 511	741	5 162	1 204	4 509	5 635	543	25 567
March	4 762	1 551	1 555	720	5 109	1 212	4 285	5 488	529	25 210
June	4 786	1 567	1 628	721	5 014	1 183	3 989	5 262	542	24 691
1997–98	4 007	1 540	1 401	711	4.020	1 1 4 /	2 002	E 007	E 7.0	04.240
September December	4 827 4 916	1 549 1 527	1 681 1 692	744 777	4 930 4 913	1 146 1 098	3 803 3 812	5 097 5 129	573 611	24 349
March	4 916 5 037	1 527	1 692	808	4 913 4 941	1 048	3 912	5 129	638	24 476 24 883
June	5 037	1 518	1 683	808	4 941	1 048	3 912 4 025	5 523	664	24 883 25 375
Julie	5 157	1 525	1070	031	4713	1 002	4 023	0 020	004	20 315

<sup>(</sup>a) At average 1989-90 prices.

<sup>(</sup>c) Revised. See paragraph 34 of the Explanatory Notes.

<sup>(</sup>b) In using the seasonally adjusted series extra care should be exercised because of the difficulties associated with reliably estimating its seasonal pattern.



### PERCENTAGE CHANGES IN MANUFACTURERS' STOCKS—Constant prices(a)

	Food, beverage and tobacco	Textiles, clothing, footwear and leather	Wood and paper products	Printing, publishing and recorded media	Petroleum, coal, chemical and assoc. products	Non- metallic mineral product	Metal product(b)	Machinery and equipment(b)	Other manu- facturing	Total manu– facturing
Year to/Quarter to	%	%	%	%	%	%	%	%	%	%
• • • • • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	ODICINAL	• • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
					ORIGINAL					
June 1996	9.8	-5.4	15.6	4.7	6.3	-1.1	7.7	13.9	9.0	8.2
June 1997	1.4	3.3	8.7	-8.0	-3.0	6.2	-10.0	-3.6	-8.9	-2.3
June 1998	6.9	2.5	4.7	14.7	-0.5	-16.4	2.4	5.3	19.9	3.3
1995–96										
June	5.1	-4.1	4.1	4.4	-0.5	-10.5	0.2	0.4	2.0	0.6
1996–97				. 7			7.0		40.5	
September December	-4.6 -2.0	-2.2 5.1	-3.8 2.8	-0.7	0.3 -2.1	8.1 -2.7	7.0 -0.9	4.0 -2.2	-10.5 3.8	0.9
March	-2.0 4.3	5. i 1.6	2.6	-6.0 -0.3	-2.1 3.1	-2.7 2.9	-0.9 -6.2	-2.2 2.1	-13.4	-1.2 0.8
June	4.0	-1.1	7.1	-0.3 -1.1	-4.2	-1.8	-0.2 -9.6	-7.2	13.2	-2.8
1997–98	4.0	1.1	7.1	1.1	٦.٧	1.0	7.0	7.2	13.2	2.0
September	-4.1	1.3	2.8	2.6	-2.2	-3.5	-2.2	-5.0	4.9	-2.4
December	-1.1	-1.8	-2.1	7.9	-0.8	-7.5	-1.1	0.3	-0.6	-0.9
March	8.5	-5.6	8.0	1.4	3.0	-0.4	5.6	9.0	14.0	5.1
June	3.8	9.2	3.2	2.2	-0.4	-6.0	0.2	1.3	0.9	1.6
• • • • • • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • • • • • • • • • • • • • •
				SEASO	NALLY ADJU	JSTED				
June 1996	9.6	-5.4	15.5	4.6	6.0	-1.0	8.1	13.9	8.8	8.1
June 1997	1.4	3.5	8.6	-8.1	-3.2	6.2	-9.8	-3.6	-9.1	-2.4
June 1998	6.8	2.6	4.7	14.7	-0.6	-16.4	2.5	5.3	19.8	3.3
1995–96										
June	2.5	-4.0	4.0	4.2	0.8	-11.7	2.2	3.7	4.0	1.4
1996-97										
September	-0.9	-1.5	-0.8	-1.9	-0.3	9.0	4.8	3.8	-9.9	1.4
December	0.2	5.3	3.2	-4.9	-0.3	-0.4	-0.9	-1.6	6.0	-0.1
March	0.7	0.6	-0.6	0.0	0.6	0.8	-6.2	-1.8	-17.4	-1.6
June <b>1997–98</b>	1.4	-0.8	6.8	-1.5	-3.2	-2.9	-7.5	-3.9	15.3	-2.0
September	-0.4	1.7	6.1	1.4	-2.4	-2.7	-4.5	-5.1	5.8	-1.8
December	1.2	-1.5	-2.0	9.2	0.8	-5.2	-1.0	0.8	1.6	0.2
March	4.6	-6.5	-2.1	1.7	0.6	-2.6	5.5	4.8	8.6	2.5
June	1.2	9.6	2.9	1.8	0.5	-7.0	2.7	5.0	2.6	2.4
• • • • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • • • • • •
				TREN	D ESTIMATE	ES(c)				
June 1996	7.2	-6.6	13.5	4.8	7.4	3.0	8.4	13.9	4.3	7.9
June 1997	1.7	4.6	9.6	-6.2	-2.7	-0.1	-10.2	-4.9	-8.6	-2.7
June 1998	7.7	-2.7	2.9	15.3	-0.8	-15.3	0.9	5.0	22.6	2.8
1995–96										
June	1.5	-2.0	1.5	0.5	1.0	-2.5	2.9	2.1	0.2	1.3
1996-97										
September	0.6	0.2	0.5	-1.2	0.3	-0.1	2.4	1.5	-3.2	0.9
December	0.1	1.4	1.2	-2.4	-0.2	1.7	-1.0	0.3	-5.3	-0.1
March	0.5	1.9	2.9	-2.7	-1.0	0.7	-5.0	-2.6	-2.6	-1.4
June	0.5	1.0	4.7	0.1	-1.8	-2.4	-6.9	-4.1	2.4	-2.1
1997–98	6.0	4.0	0.0	0.0	4 7		, =	0.4	F. C	4.
September	0.8	-1.2	3.3	3.2	-1.7	-3.2	-4.7	-3.1	5.9	-1.4
December	1.8	-1.4	0.7	4.5	-0.3	-4.2	0.2	0.6	6.5	0.5
March	2.5	-0.6	-0.5	3.9	0.6	-4.5	2.6	3.3	4.4	1.7
June	2.4	0.5	-0.4	2.9	0.6	-4.4	2.9	4.2	4.1	2.0

<sup>(</sup>a) At average 1989–90 prices.

<sup>(</sup>c) Revised. See paragraph 34 of the Explanatory Notes.

<sup>(</sup>b) In using the seasonally adjusted series extra care should be exercised because of the difficulties associated with reliably estimating its seasonal pattern.



	MANUFA	CTURING.									WHOLES <i>A</i> TRADE
	Food, beverage and tobacco	Textiles, clothing, footwear and leathei	Wood and paper products	Printing, publishing and recorded media	Petroleum, coal, chemical and assoc. products	Non- metallic mineral product	Metal product	Machinery and equipment	Other manu- facturing	Total manu- facturing	Total wholesale
eriod	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
• • • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	ORIG	ΙΝΔΙ	• • • • • • •	• • • • • • • •	• • • • • •	• • • • • • •	• • • • • • • • •
ear to					OKIO	IIIAL					
June 1996	42 875	8 796	12 323	9 596	34 436	10 114	32 767	36 361	6 225	193 494	167 187
June 1997	43 749	9 128	13 150	9 623	34 630	9 718	31 930	38 732	6 508	197 168	167 061
June 1998	46 723	8 993	13 727	11 243	36 017	9 431	29 561	38 733	6 863	201 292	184 626
995–96											
June	9 961	2 105	3 070	2 355	9 023	2 418	7 926	9 528	1 471	47 858	41 199
996–97											
September	11 055	2 246	3 266	2 396	8 371	2 461	8 378	9 891	1 799	49 863	41 259
December	12 261	2 297	3 424	2 521	8 914	2 495	8 301	9 727	1 628	51 568	43 690
March	10 010	2 236	3 180	2 273	8 345	2 299	7 379	9 135	1 483	46 340	39 057
June	10 423	2 350	3 280	2 432	8 999	2 464	7 872	9 979	1 598	49 398	43 055
997–98											
September	11 727	2 283	3 439	2 655	8 948	2 445	7 626	10 043	1 776	50 943	44 995
December	12 691	2 277	3 555	2 986	9 002	2 372	7 472	9 886	1 826	52 067	47 533
March	10 992	2 143	3 129	2 667	8 762	2 294	6 970	8 937	1 521	47 414	44 018
June	11 314	2 290	3 605	2 935	9 305	2 321	7 493	9 867	1 739	50 869	48 079
• • • • • • • • • • •	•••••	• • • • • • •	• • • • • •			ADILICTE		• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • •
ear to				3	EASONALLY	ADJUSTE	.υ				
June 1996	42 845	8 771	12 296	9 561	34 417	10 118	32 710	36 314	6 172	193 203	166 817
June 1997	43 792	9 130	13 162	9 640	34 632	9 705	31 928	38 757	6 524	197 270	167 102
June 1998	46 720	8 999	13 732	11 296	36 027	9 446	29 576	38 733	6 868	201 398	184 753
995–96											
June	10 368	2 106	3 137	2 428	8 836	2 445	7 945	9 441	1 505	48 212	41 349
996–97	40.000	0.440	0.47/	0.057	0.000	0.000	0.457	0.400	4 707	40.045	44.440
September	10 939	2 163	3 176	2 356	8 300	2 389	8 156	9 608	1 727	48 815	41 110
December	11 184	2 270	3 259	2 353	8 855	2 409	8 104	9 507	1 504	49 446	41 597
March	10 795	2 346	3 380	2 424	8 671	2 416	7 770	9 744	1 656	49 202	41 219
June	10 873	2 351	3 347	2 507	8 805	2 492	7 897	9 897	1 637	49 807	43 177
997–98	11 400	2.210	2.250	2 / 2/	0.070	2.207	7 400	0.740	1 (00	40.004	44.000
September	11 482	2 210	3 350	2 636	8 879	2 396	7 423	9 748	1 699	49 824	44 866
December	11 628	2 268	3 383	2 729	8 894	2 258	7 296	9 682	1 688	49 826	45 257
March	11 795	2 229	3 321	2 908	9 154	2 444	7 337	9 512	1 699	50 399	46 435
June	11 815	2 292	3 677	3 024	9 101	2 348	7 520	9 791	1 782	51 349	48 195
			• • • • • • •	-	TREND EST	IMATES(a)	)	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •
ear to June 1996	43 036	8 775	12 311	9 520	34 287	10 104	32 792	36 330	6 243	193 399	167 107
June 1997	43 768	9 083	13 168	9 668	34 802	9 685	31 745	38 711	6 470	197 100	167 354
June 1998	46 565	9 040	13 706	11 289	36 028	9 480	29 662	38 749	6 850	201 368	184 338
995–96											
June	10 780	2 132	3 138	2 407	8 684	2 453	8 159	9 490	1 556	48 799	41 590
996–97											
September	10 856	2 176	3 195	2 373	8 628	2 408	8 081	9 548	1 592	48 858	41 239
December	10 920	2 265	3 271	2 367	8 637	2 405	8 023	9 617	1 611	49 118	41 189
March	10 957	2 325	3 335	2 418	8 732	2 441	7 925	9 733	1 619	49 487	41 868
	11 034	2 317	3 366	2 510	8 805	2 432	7 715	9 813	1 647	49 638	43 057
June <b>997–98</b>				0.400	0.054	2 390	7 495	9 770	1 681	49 749	44 359
997–98	11 322	2 269	3 345	2 623	8 854	2 390				47 / 47	
997–98 September	11 322 11 618	2 269 2 244	3 345 3 361	2 623 2 753	8 854 8 966						
997–98	11 322 11 618 11 775	2 269 2 244 2 251	3 345 3 361 3 441	2 623 2 753 2 889	8 966 9 061	2 359 2 357	7 369 7 356	9 670 9 638	1 694 1 722	50 033 50 490	45 542 46 640

(a) Revised. See paragraph 34 of the Explanatory Notes.

	MANUFA	ACTURING.									WHOLESALE TRADE
	Food, beverage and tobacco	Textiles, clothing, footwear and leather	Wood and paper products	Printing, publishing and recorded media	Petroleum, coal, chemical and assoc. products	Non- metallic mineral product	Metal product	Machinery and equipment	Other manu- facturing	Total manu- facturing	Total wholesale
Period	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
• • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	OPI	GINAL	• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • • • •
Year to					OIN	UIIVAL					
June 1996	36 141	7 870	10 500	7 423	30 976	8 777	30 542	32 243	5 387	169 858	158 053
June 1997	36 430	8 094	11 552	7 238	31 320	8 341	30 321	34 245	5 552	173 095	161 814
June 1998	37 946	7 944	12 081	8 333	32 894	7 985	27 322	33 945	5 856	174 305	171 804
1995–96											
June	8 409	1 881	2 684	1 801	8 151	2 094	7 476	8 398	1 264	42 158	39 555
1996-97											
September	9 266	1 998	2 872	1 812	7 579	2 125	7 980	8 734	1 540	43 905	39 640
December	10 219	2 042	3 011	1 896	8 041	2 147	7 964	8 622	1 384	45 328	42 281
March	8 324	1 981	2 782	1 707	7 514	1 972	7 001	8 068	1 265	40 615	37 948
June	8 621	2 073	2 888	1 824	8 186	2 097	7 376	8 821	1 363	43 248	41 945
1997–98	0.404	0.007	0.000	4.07/	0.470	0.077	7.044	0.050	4.540	44.040	40.000
September	9 636	2 006	3 033	1 976	8 179	2 077	7 044	8 852	1 510	44 313	42 699
December March	10 307 8 895	2 003 1 897	3 150 2 756	2 227 1 968	8 169 8 023	2 013 1 939	6 914 6 438	8 682 7 819	1 559 1 301	45 024 41 037	44 041 40 872
June	9 109	2 037	3 142	2 162	8 524	1 955	6 925	8 591	1 485	43 930	44 192
Surio	, 10,	2 007	0 1 12	2 102	0 02 1	1 700	0 720	0071	1 100	10 700	
				Ç	SEASONAL	LY ADJUS	TED				
Year to											
June 1996	36 114	7 847	10 480	7 393	30 958	8 780	30 493	32 200	5 340	169 606	158 084
June 1997	36 462	8 096	11 562	7 250	31 319	8 330	30 316	34 266	5 565	173 167	161 773
June 1998	37 936	7 949	12 083	8 370	32 904	7 996	27 335	33 943	5 861	174 378	171 832
1995-96											
June	8 753	1 882	2 742	1 857	7 982	2 117	7 494	8 321	1 293	42 441	39 538
1996-97											
September	9 169	1 925	2 793	1 781	7 514	2 063	7 768	8 485	1 478	42 976	39 601
December	9 322	2 018	2 865	1 770	7 988	2 073	7 776	8 427	1 279	43 519	40 248
March	8 977	2 079	2 957	1 820	7 807	2 073	7 373	8 606	1 412	43 103	40 046
June <b>1997–98</b>	8 994	2 074	2 947	1 879	8 010	2 121	7 399	8 749	1 396	43 569	41 878
September	9 435	1 942	2 955	1 962	8 116	2 035	6 857	8 592	1 444	43 338	42 688
December	9 443	1 996	2 998	2 035	8 071	1 916	6 751	8 504	1 440	43 155	41 930
March	9 545	1 973	2 926	2 146	8 381	2 067	6 777	8 322	1 454	43 592	43 118
June	9 512	2 039	3 204	2 227	8 337	1 978	6 950	8 525	1 522	44 294	44 096
• • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • • • • •
Voor to					TREND ES	STIMATES	s(b)				
<b>Year to</b> June 1996	36 236	7 851	10 496	7 366	30 846	8 770	30 592	32 215	5 402	169 775	158 380
June 1997	36 450	8 054	11 569	7 273	31 474	8 314	30 119	34 216	5 517	172 986	161 873
June 1998	37 806	7 987	12 059	8 359	32 889	8 025	27 433	33 959	5 848	174 366	171 600
1995–96											
June	9 056	1 903	2 726	1 834	7 843	2 124	7 712	8 386	1 337	42 921	39 920
1996–97										· · ·	
September	9 103	1 939	2 805	1 796	7 793	2 080	7 700	8 434	1 361	43 012	39 749
December	9 118	2 013	2 876	1 783	7 795	2 070	7 666	8 505	1 374	43 200	39 887
March	9 107	2 059	2 928	1 814	7 895	2 091	7 521	8 610	1 379	43 404	40 692
June	9 121	2 043	2 961	1 879	7 991	2 073	7 231	8 668	1 402	43 371	41 546
1997–98		4 6 - 1				0					4
September	9 289	1 996	2 954	1 957	8 063	2 031	6 951	8 611	1 433	43 286	42 158
December	9 459	1 977	2 969	2 046	8 179	2 000	6 811	8 494	1 445	43 379	42 580
March June	9 525 9 532	1 992 2 022	3 027 3 108	2 138 2 218	8 278 8 368	1 993 2 002	6 794 6 878	8 430 8 425	1 471 1 499	43 648 44 053	43 075 43 786
June	9 03∠	Z UZZ	J 108	2 2 1 0	0 308	2 002	υ ο / Ծ	0 423	1 477	44 003	40 100

(a) At average 1989–90 prices.

<sup>(</sup>b) Revised. See paragraph 34 of the Explanatory Notes.



### MANUFACTURERS' ACTUAL AND EXPECTED SALES WITH REALISATION RATIOS(a)

Period	Food, beverage and tobacco	Textiles, clothing footwear and leather	Wood and paper products	Printing, publishing and recorded media	Petroleum, coal, chemical and assoc. products	Non- metallic mineral product	Metal product	Machinery and equipment	Other manu- facturing	Total manu- facturing
• • • • • • • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • •	ACTUAL	_SALES (\$ r	nillion)	• • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • • •
1995–96	42 875	8 796	12 323	9 596	34 436	10 114	32 767	36 361	6 225	193 494
1996-97	43 749	9 128	13 150	9 623	34 630	9 718	31 930	38 732	6 508	197 168
1997–98	46 723	8 993	13 727	11 243	36 017	9 431	29 561	38 733	6 863	201 292
1995-96										
June	9 961	2 105	3 070	2 355	9 023	2 418	7 926	9 528	1 471	47 858
1996–97	11 055	2.247	2.277	2.207	0.071	2.4/1	0.270	0.001	1 700	40.07.2
September	11 055	2 246	3 266	2 396	8 371	2 461	8 378	9 891	1 799	49 863
December March	12 261	2 297	3 424	2 521	8 914	2 495	8 301 7 379	9 727 9 135	1 628 1 483	51 568
	10 010	2 236	3 180	2 273	8 345	2 299				46 340
June	10 423	2 350	3 280	2 432	8 999	2 464	7 872	9 979	1 598	49 398
<b>1997–98</b> September	11 727	2 283	3 439	2 655	8 948	2 445	7 626	10 043	1 776	50 943
December	12 691	2 203 2 277	3 555	2 986	9 002	2 372	7 472	9 886	1 826	50 943 52 067
March	10 992	2 143	3 129	2 667	8 762	2 294	6 970	8 937	1 521	47 414
June	11 314	2 290	3 605	2 935	9 305	2 321	7 493	9 867	1 739	50 869
• • • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • • •
1998-99				EXPECTE	ED SALES (\$	million)				
6 mths to Dec	25 069	4 627	7 351	6 157	18 884	4 700	15 284	19 562	3 616	105 249
6 mths to Jun	23 446	4 570	7 373	6 303	19 165	4 532	14 733	19 466	3 610	103 198
Total 1998-99(b	) 48 515	9 197	14 724	12 460	38 049	9 232	30 017	39 028	7 226	208 447
1994	1.02	REAI 0.87	LISATION R 1.07	ATIOS: 6 M 1.04	ONTHS TO D 1.27	ECEMBER (A	Actual/Jun 1.04	E1) 1.04	1.15	1.07
1995	1.00	0.98	1.06	0.97	1.04	1.09	1.09	0.99	1.11	1.03
1996	0.98	0.98	1.00	1.05	0.99	0.96	1.02	1.05	1.08	1.01
1997	1.02	1.06	1.01	0.97	1.00	0.97	1.07	1.00	1.16	1.02
1998	1.05	0.95	1.00	1.16	1.01	0.95	0.98	0.96	1.14	1.01
5 year average	1.01	0.97	1.03	1.04	1.06	1.01	1.04	1.01	1.13	1.03
• • • • • • • • • • • • •	• • • • • •	R	EALISATION	N RATIOS: 6	MONTHS TO	O JUNE (Acti	ual/Jun E2)		• • • • • • • •	• • • • • • • • •
1994	1.07	0.94	1.10	1.09	1.28	1.20	1.03	1.08	1.57	1.11
	0.96	0.94	1.10	0.87	1.28	1.20	1.03	0.93	1.57	1.11
1995 1996	0.96	0.45	0.96	1.02	1.00	0.90	0.99	1.06	0.89	0.98
1997	0.96	1.04	0.99	0.95	0.97	0.90	0.99	0.97	1.07	0.98
1998	1.03	0.91	0.97	1.13	0.99	0.92	0.94	0.88	1.07	0.97
5 year average	0.99	0.94	1.01	1.01	1.06	1.00	1.01	0.98	1.13	1.01
• • • • • • • • • • • •	• • • • • • •			12 MONTHS	S TO JUNE (A	Actual/sum c			• • • • • • • •	• • • • • • • •
1994	1.04	0.90	1.09	1.06	1.28	1.15	1.04	1.06	1.34	1.09
1995	0.98	0.96	1.04	0.92	1.05	1.05	1.10	0.96	1.09	1.01
1996	0.97	0.92	0.98	1.04	0.99	0.93	1.01	1.05	0.99	0.99
1997	0.99	1.05	1.00	0.96	0.98	0.97	1.03	0.98	1.11	1.00
1998	1.04	0.93	0.99	1.14	1.00	0.93	0.96	0.92	1.11	0.99
5 year average	1.00	0.95	1.02	1.03	1.06	1.01	1.03	1.00	1.13	1.02

<sup>(</sup>a) See paragraphs 22 to 25 of the Explanatory Notes.

<sup>(</sup>b) Derived by adding expected sales for 6 months ending December 1998 and expected sales for 6 months ending June 1999.

	MANUFACTURING								WHOLESALE TRADE		
Year to/Quarter to	Food, beverage and tobacco	Textiles, clothing, footwear and leather	Wood and paper products	Printing, publishing and recorded media	Petroleum, coal, chemical and assoc. products	Non- metallic mineral product	Metal product	Machinery and equipment	Other manu- facturing	Total manu- facturing	Total wholesale
• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • • •
June 1996	0.54	0.79	0.54	0.38	0.66	0.50	0.58	0.65	0.44	0.59	0.52
June 1997	0.53	0.74	0.55	0.32	0.64	0.53	0.53	0.60	0.37	0.56	0.50
June 1998	0.53	0.78	0.53	0.32	0.60	0.47	0.58	0.65	0.42	0.57	0.50
1995–96											
June	0.54	0.79	0.54	0.38	0.66	0.50	0.58	0.65	0.44	0.59	0.52
1996-97											
September	0.51	0.76	0.53	0.38	0.70	0.56	0.59	0.66	0.35	0.59	0.52
December	0.49	0.75	0.53	0.36	0.67	0.55	0.58	0.65	0.42	0.58	0.51
March	0.52	0.74	0.51	0.34	0.67	0.55	0.57	0.63	0.32	0.57	0.51
June	0.53	0.74	0.55	0.32	0.64	0.53	0.53	0.60	0.37	0.56	0.50
1997-98											
September	0.51	0.80	0.58	0.31	0.62	0.53	0.55	0.58	0.38	0.55	0.50
December	0.51	0.77	0.57	0.33	0.63	0.54	0.55	0.59	0.39	0.56	0.51
March	0.53	0.73	0.57	0.32	0.60	0.49	0.58	0.64	0.42	0.56	0.50
June	0.53	0.78	0.53	0.32	0.60	0.47	0.58	0.65	0.42	0.57	0.50

<sup>(</sup>a) Seasonally adjusted series.

INTRODUCTION

**1** This publication contains estimates of the book value of stocks owned by private businesses, estimates of sales by wholesalers and sales and expected sales of goods manufactured or assembled by manufacturers in Australia. The series have been compiled from data collected by the Australian Bureau of Statistics (ABS) in its quarterly Survey of Stocks and Sales.

SCOPE AND COVERAGE

- **2** The scope of the survey:
- includes the following industries (Australian and New Zealand Standard Industrial Classification 1993 [ANZSIC] Divisions and Subdivisions):

Mining (Division B)

Manufacturing (Division C)

Food, beverages and tobacco (21)

Textiles, clothing, footwear and leather (22)

Wood and paper products (23)

Printing, publishing and recorded media (24)

Petroleum, coal, chemical and associated products (25)

Non-metallic mineral products (26)

Metal products (27)

Machinery and equipment (28)

Other manufacturing (29)

Wholesale Trade (Division F)

Basic materials (45)

Machinery and motor vehicles (46)

Personal and household goods (47)

Retail Trade (Division G excluding 5322, 5323 and 5329)

Food (51)

Personal and household goods (52)

Motor vehicle retailing and services (53 excluding 5322, 5323 and 5329)

Other Selected Industries

Electricity and gas supply (36)

Accommodation, cafes and restaurants (Division H)

• excludes the following industries:

Agriculture, forestry and fishing

Water supply, sewerage and drainage services

Construction

Transport and storage

Communication services

Finance and insurance

Property and business services

Government administration and defence

Education, health and community services

Cultural and recreational services

Personal and other services

• in addition the scope excludes public sector business units (i.e. all departments, authorities and other organisations owned and/or controlled by Commonwealth, State and Local Governments). Primary producer marketing boards are classified as public sector and are also excluded.

SURVEY METHODOLOGY

- **3** The survey is conducted by mail on a quarterly basis. It is based on a stratified random sample of approximately 8,000 private businesses selected from the ABS register of businesses. The sample is stratified by industry and number of employees. All business units with over 250 employees, and other statistically significant units, such as many joint venture partners, are included. The figures obtained from these businesses are also supplemented by adjustments for new businesses not yet included in the sample framework.
- **4** Respondents are asked to provide data on the same basis as their own management accounts. Where a selected business unit does not respond in a given survey, an estimate is substituted. Revisions may be made to these estimate adjustments if data are provided subsequently from those businesses. Aggregates are calculated from original data using the 'number raised' estimation technique. Data are edited at both individual unit level and at aggregate level.
- **5** Adjustments are included in the estimates to allow for lags in processing new businesses to the ABS business register, and the omission of some businesses from the business register. The majority of businesses affected and to which the adjustments apply are small in size. The adjustments contributed 4.8% to the current quarter's estimate of reported stocks and 4.8% to reported sales. These adjustments were introduced in the June quarter 1997 publication and have been made back to the June quarter 1984. For further information see the June quarter 1997 publication or an Information Paper *Improvements to ABS Economic Statistics 1997* (Cat. No. 1357.0) issued on 22 August 1997.

TIMING AND CONSTRUCTION
OF SURVEY CYCLE

- **6** Surveys are conducted in respect of each quarter and returns are completed during the 8 or 9 week period after the end of the quarter to which survey data relate e.g. December quarter survey returns are completed during January and February.
- **7** In addition to data on stocks, manufacturers and wholesalers are requested to provide sales figures for actual sales made during the reference quarter.

  Manufacturers are also requested to provide expected sales for future periods:
- a short term expectation (E1); and
- a longer term expectation (E2).
- **8** Full details of the reporting cycle are shown in the table below.

Period to which reported data relates 1996-97 1997-98 1998-99 Survey quarter Dec Jun Sep Mar Jun Sep Mar Jun June 1997 E1 Actual F2 September 1997 Actual E1 E2 E1 F2 December 1997 Actual March 1998 Actual E1 E2 June 1998 E1

TIMING AND CONSTRUCTION
OF SURVEY CYCLE continued

**9** For the manufacturing industry this survey cycle produces estimates of sales and expected sales for the next 9 or 12 months. Realisation ratios (actual sales divided by expected sales) are published in this issue as an aid in interpreting expectation statistics. Since realisation ratios tend to vary according to factors such as the stage of the economic cycle, caution should be used when interpreting the data on expected sales and realisation ratios.

SAMPLE REVISION

- **10** Prior to the June quarter 1996 survey, the survey frames and samples were revised annually to ensure that they remained representative of the survey population. Adjustments were made to the survey estimates each quarter to reflect changes in the size of the survey frame throughout the year. From the June quarter 1996 survey, the survey frames and samples are being revised each quarter. The aim is to further improve the quality of the survey estimates by selecting a sample which will be more representative of the business population. The timing of sample selection will now be consistent with other ABS surveys. This will lead to greater consistency when comparing data across these surveys.
- **11** With these revisions to the sample, some of the business units are rotated out of the survey and are replaced by others to spread the reporting workload equitably. The rate of rotation under quarterly sample selection is slightly higher than one quarter of the previous annual rate of rotation.
- **12** When frames and samples were updated annually some data would be revised as a consequence. No data revisions of this nature will be needed given quarterly updates to frames and samples. Data may be revised however on the basis of further processing.

STATISTICAL UNIT

13 This survey uses the management unit as the statistical unit. The management unit is the highest-level accounting 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 (i.e. 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 defined where separate and comprehensive accounts are compiled for it. Prior to 1989, the survey was on a different business unit basis. Further details are available on request.

CLASSIFICATION BY INDUSTRY

- **14** The Australian and New Zealand Standard Industrial Classification (ANZSIC) has been developed for use in both countries for the production and analysis of industry statistics. It replaces the Australian Standard Industrial Classification (ASIC) and the New Zealand Standard Industrial Classification (NZSIC).
- **15** For more information, users are referred to *Australian & New Zealand Standard Industrial Classification*, *1993*, *ANZSIC*, ABS (1292.0) and Statistics New Zealand (19.005.0092).
- **16** In order to classify stocks and sales data by industry, each statistical unit (as defined above) is classified to the Australian and New Zealand Standard Industrial Classification (ANZSIC) industry in which it *mainly* operates.
- **17** All of the stocks, sales and expected sales of each statistical unit are classified to that unit's industry even though it may have activities in other industries.

DESCRIPTION OF TERMS

**18** *Manufacturers' Sales*. All sales of goods manufactured by the business unit or manufactured for it on commission. Excludes commission earned by the business for manufacturing work done on customers' materials and sales of goods not manufactured (e.g. merchanted goods) by the business.

DESCRIPTION OF TERMS continued

- **19** *Wholesale trade Sales*. All sales of goods by businesses classified to the Wholesale Trade Industry.
- **20** *Stocks*. All stocks of materials etc., work in progress and finished goods owned by the business, whether held at locations of the business or elsewhere.

CONSTANT PRICES

**21** The level and changes in the level of stocks and sales valued at constant prices (average 1989–90 prices) are obtained by dividing the current price values (in the case of stocks these are book values), at the most detailed industry level possible, by fixed weighted price indexes. These price indexes are compiled by combining, in fixed proportions, a wide range of price data. The composition and weighting of the indexes have been determined by estimates of the commodity composition of the value of sales or stocks owned by firms in those industries in 1989–90. A measure of the change in stocks at average 1989–90 prices is calculated by taking the difference between opening and closing stocks at constant prices.

DERIVATION AND USEFULNESS OF REALISATION RATIOS

- **22** Once the actual level of manufacturers' sales is known, it is useful to investigate the relationship between it and each of the previous expected estimates. The resultant realisation ratios (subsequent actual sales divided by expected sales) then indicate how the value of actual sales compared with the value of expected sales at the various times of reporting. Realisation ratios can also be formed separately for 3 or 6 month expectations as well as the 12 month estimates or combinations of estimates containing at least some expectation components (e.g. 6 months actual and 6 months expected sales).
- 23 Realisation ratios provide an important tool in understanding and interpreting expectations statistics for future periods. The application of realisation ratios enables the adjustment of expectations data for known under (or over) realisation patterns in the past and hence provides a valid basis for comparison with other expectations data and actual sales estimates. For example, if one wished to predict actual sales for 1998–99 based on the June 1998 survey results and compare these with 1997–98 actual sales, it is necessary to apply relevant realisation factors to the expectation to put both estimates on the same basis. Once this has been done the predictions can be validly compared with each other and with previously derived estimates of actual sales for earlier years.
- **24** There are many ways in which realisation ratios can be applied to make predictions of sales for a future period. For instance, the adjusted estimates could be derived using realisation ratios which are the average of the latest available five observations or any of the five could be used. Realisation ratios are provided in table 9 on page 15.
- **25** In using realisation ratios to adjust expectations data, attention should be paid to the range of values that has occurred in the past. A wide range of values is indicative of volatility in the realisation patterns and hence greater caution should be exercised in the application of realisation ratios. This is particularly the case with the twelve month expectations collected in the December and June surveys.

RELIABILITY OF THE ESTIMATES

**26** Two types of error are possible in an estimate based on a sample survey: sampling error and non–sampling error. Sampling error is explained and quantified on pages 23 and 24.

RELIABILITY OF THE ESTIMATES continued

*Non-sampling error* arises from inaccuracies in collecting, recording and processing the data. The major errors of concern and which may affect the data are:

- misreporting of data by respondents; and
- deficiencies in the register of economic units, particularly in respect of small units

Every effort is made to minimise the non-sampling error by careful design of questionnaires, efficient operating procedures, and appropriate methodology.

- **27** The quarterly stocks and sales series in this publication are affected to some extent by seasonal influences and it is useful to recognise and take account of this element of variation.
- **28** Seasonal adjustment may be carried out by various methods and the results may vary slightly depending on the procedure adopted. Accordingly, seasonally adjusted statistics are only indicative and should not be regarded as in any way definitive. In interpreting seasonally adjusted data it is important therefore to bear in mind the methods by which they have been derived and the limitations to which the methods used are subject.
- **29** Seasonal adjustment is a means of reassessing the estimated effects of normal seasonal variations for the series so that the effects of other influences can be more clearly recognised.
- **30** In the seasonal adjustment of the series, account has been taken of both normal seasonal factors and 'trading' day effects (arising from the varying length of each quarter) and the varying numbers of Sundays, Mondays, Tuesdays etc in the quarter. Seasonal adjustment does not remove from the series the effect of irregular or non-seasonal influences (e.g. change in interest rates).
- **31** At least once each year the seasonally adjusted series are revised to take account of the latest available data. The most recent reanalysis takes into account data up to and including the March quarter 1998 survey. The nature of the seasonal adjustment is such that the magnitude of some revisions resulting from reanalysis may be quite significant especially for data for more recent quarters. Care should be exercised when interpreting quarter to quarter movements in the seasonally adjusted series in the publication, particularly for recent quarters.
- **32** It should be noted that the seasonally adjusted figures necessarily reflect the sampling and other errors to which the original figures are subject.
- **33** Details of the seasonal adjustment methods used for stocks and sales, together with selected measures of variability for these series are available on request.
- **34** The trend estimates are derived by applying a 7–term Henderson moving average to the seasonally adjusted series. The 7–term Henderson average (like all Henderson averages) is symmetric, but as the end of a time series is approached, asymmetric forms of the average are applied. Unlike the weights of the standard 7-term Henderson moving average, the weights employed here have been tailored to suit the particular characteristics of individual series. While the asymmetric weights enable trend estimates for recent quarters to be produced, it does result in revisions to the estimates for the most recent three quarters as additional observations become available. There may also be revisions because of changes in the original data and as a result of the re-estimation of the seasonal factors. For further information, see *A Guide to Interpreting Time Series Monitoring 'Trend' An Overview* (1348.0) or contact the Assistant Director, Time Series Analysis.

SEASONAL ADJUSTMENT

TREND ESTIMATES

COMPARISON WITH OTHER ABS STATISTICS

- **35** The data collected in the Survey of Stocks and Sales are used to compile estimates of the increase in book value of non-farm stocks in the quarterly and annual national accounts. For further details see *Australian National Accounts: Concepts, Sources and Methods* (5216.0).
- **36** The statistics shown for the movement in the book value of stocks in this publication will differ from corresponding data for private non-farm stocks shown in the national accounts publications because the national accounts estimates include estimates for the construction and transport industries.

RELATED PUBLICATIONS

- **37** Users may also wish to refer to the following publications:
- Private New Capital Expenditure and Expected Expenditure, Australia (5625.0)
- State Estimates of Private New Capital Expenditure (5646.0)
- Company Profits, Australia (5651.0)
- Australian Business Expectations (5250.0)
- Australian National Accounts: National Income, Expenditure and Product (5206.0)
- Australian National Accounts: Concepts, Sources and Methods (5216.0)
- Manufacturing Production, Australia (8301.0)
- Business Operations and Industry Performance, Australia (8140.0).
- **38** Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, Australia* (1101.0). The ABS also issues on Tuesdays and Fridays a *Release Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Release Advice are available from any ABS office.

UNPUBLISHED DATA

**39** In addition to the data contained in this and related publications, more detailed industry information may be made available on request. Data are available at the ANZSIC Group (i.e. 3 digit) level for stocks and manufacturers' sales.

 ${\tt SYMBOLS} \ {\tt AND} \ {\tt OTHER} \ {\tt USAGES}$ 

ANZSIC Australian and New Zealand Standard Industrial Classification (1292.0) 1993 edition

#### STANDARD ERRORS

The estimates in this publication are based on information gained from a sample survey. Because the entire population of businesses is not surveyed, the published estimates are subject to sampling error and this can be quantified in a number of ways. A common measure is *standard error*. In this publication standard errors are presented as a percentage of the estimate to which they apply (i.e. *relative standard error*). In the case of the relative standard errors of movement, they are expressed as a percentage of the estimate of the data level for the earlier period.

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 all businesses had been included in the survey, and there are about nineteen chances in twenty that the difference will be less than two standard errors. Put another way, this means that we can be 67% confident that the 'true' figure is within plus or minus one standard error of the sample estimate and 95% confident that the 'true' figure is within two standard errors of the sample estimate. Tables of relative standard errors are presented on the next page and examples of their application are given below.

LEVEL ESTIMATES

To illustrate, let us say the published level estimate for manufacturers' stocks is \$21,000m. The relative standard error for this case, obtained from the table on the next page, is 1.4%. This relative standard error is then used to interpret the level estimate of \$21,000m. For instance, the relative standard error of 1.4% indicates that:

- There are approximately two chances in three that the real value falls within the range \$20,706m to \$21,294m (\$21,000m  $\pm 1.4$ % x \$21,000m)
- There are approximately nineteen chances in twenty that the real value falls within the range \$20,412m to \$21,588m ( $$21,000m \pm 2 \times 1.4\% \times $21,000m$ )

The real value in this case is the result we would obtain if the total population had been enumerated.

The following tables show the relative standard errors for this quarter's level estimates.

MOVEMENT ESTIMATES

The following example illustrates how to use the standard error to interpret a movement estimate. Suppose that for one quarter the published level estimate for manufacturers' stocks in Australia is 22,100m; the next quarter the published level estimate is 22,400m. The relative standard error for the movement estimates, obtained from the next page, is 0.4%. This relative standard error is then used to interpret the published movement estimate of 300m. For instance the relative standard error of 30.4% indicates that:

- There are approximately two chances in three that the real movement over the two quarters falls within the range \$212m to \$388m ( $$300m \pm 0.4\% \times $22,100m$ )
- There are approximately nineteen chances in twenty that the real value falls within the range \$123m to \$477m ( $$300m \pm 2 \times 0.4\% \times $22,100m$ ).

The following tables show the relative standard errors for this quarter's movement estimates.

### STANDARD ERRORS continued

#### APPROXIMATE RELATIVE STANDARD ERRORS

STOCKS OWNED BY PRIVATE BUSINESSES(a).....

	Mining	Manu- facturing	Whole- sale trade	Retail trade	Other	Total selected industries
Estimates of	%	%	%	%	%	%
Total stocks Quarter to quarter movement(a)	2.4 0.7	1.4 0.4	6.3 0.8	3.6 1.1	11.5 2.5	2.3 0.4

#### STOCKS AND SALES, PRIVATE MANUFACTURING AND WHOLESALE TRADE BUSINESSES

WHOLESALE 

	Food, beverage and tobacco	Textiles, clothing, footwear and leather	Wood and paper products	Printing, publishing and recorded media	Petroleum, coal, chemical and assoc. products	Non- metallic mineral product	Metal product	Machinery and equipment	Other manu- facturing	Total manu- facturing	Total
Estimates of	%	%	%	%	%	%	%	%	%	%	%
• • • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • • •	• • • • • • • • •
Total stocks-											
Level	3.0	4.6	5.2	10.3	3.0	6.5	1.4	4.4	8.1	1.4	6.3
Movement	0.7	1.6	1.4	2.3	0.9	2.8	0.5	1.4	2.6	0.4	0.8
Total sales-											
Level	2.1	5.7	4.2	12.8	2.8	7.0	1.5	4.0	7.5	1.4	7.7
Movement	8.0	2.2	1.5	3.3	1.0	3.3	0.6	1.3	2.9	0.5	0.9

<sup>(</sup>a) Expressed as a percentage of total.

#### EFFECT OF NEW SEASONALLY ADJUSTED ESTIMATES ON TREND ESTIMATES

Each time new seasonally adjusted estimates become available, trend estimates are revised (see paragraph 34 of Explanatory notes).

TREND REVISIONS

The examples in the tables below show two scenarios and the consequent revisions to previous trend estimates of stocks owned by private businesses and manufacturers' and wholesalers' sales.

- 1 The September quarter seasonally adjusted estimate is higher than the June quarter estimate by the percentage shown.
- 2 The September quarter seasonally adjusted estimate is lower than the June quarter estimate by the percentage shown.

The percentages chosen are approximately the long term average movements, without regard to sign, in the seasonally adjusted series.

#### STOCKS OWNED BY TREND AS **PUBLISHED** WHAT IF NEXT QUARTER'S SEASONALLY ADJUSTED ESTIMATE: PRIVATE BUSINESSES 2 \$m 71000 1 falls by 1.0 on Jun 1998 rises by 1.0 on Jun 1998 Published trend \$m % change \$m % change \$m % change 68000 1997 2 63 950 -0.263 950 -0.263 950 -0.2September 65000 December 64 316 0.6 64 258 0.5 64 336 0.6 1998 62000 March 65 021 1.1 65 035 1.2 65 008 1.0 65 988 0.9 65 883 1.3 1.5 65 614 59000 June M 1997 M 1998 5 1996 September 66 883 1.4 65 997 MANUFACTURERS' SALES TREND AS **PUBLISHED** WHAT IF NEXT QUARTER'S SEASONALLY ADJUSTED ESTIMATE: 2 1 \$m 1 47500 rises by 1.4 on Jun 1998 falls by 1.4 on Jun 1998 Published trend \$m % change % change \$m % change \$m 46000 1997 43 286 -0.243 286 -0.243 286 -0.2September 44500 December 43 379 0.2 43 328 43 401 0.3 0.11998 43000 0.6 43 664 8.0 43 638 0.5 March 43 648 44 053 0.9 44 235 1.3 43 885 0.6 June 41500 М 1998 M 1997 September 44 853 1.4 44 022 0.3 WHOLESALE TRADE SALES TREND AS **PUBLISHED** WHAT IF NEXT QUARTER'S SEASONALLY ADJUSTED ESTIMATE: 1 2 \$m г 48000 1 rises by 1.7 on Jun 1998 falls by 1.7 on Jun 1998 Published trend \$m % change % change % change 1997 45000 2 September 42 158 1.5 42 158 1.5 42 158 1.5 42000 December 42 580 1.0 42 565 1.0 42 653 1.2 1998 39000 March 43 075 1.2 43 089 1.2 43 059 1.0 June 43 786 1.7 43 947 2.0 43 524 1.1

0.9

43 915

44 940

2.3

36000

September

. М 1998

M 1997

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