



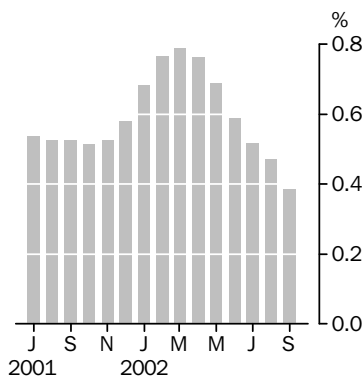
# RETAIL TRADE

AUSTRALIA

EMBARGO: 11.30AM (CANBERRA TIME) FRI 1 NOV 2002

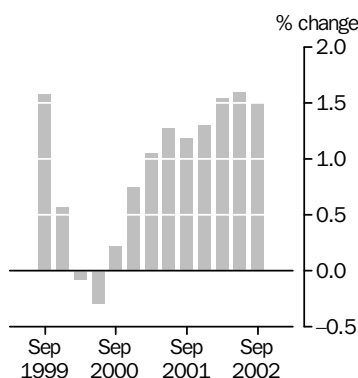
## Monthly turnover

Trend estimates  
% change



## Quarterly turnover

in volume terms  
Trend estimates



■ For further information about these and related statistics, contact the National Information and Referral Service on 1300 135 070 or Graham Phillips on Canberra 02 6252 5625.

## KEY FIGURES

	Sep 02	Aug 02 to Sep 02
	\$m	% change
<b>Turnover at current prices</b>		
Trend estimates	14 419.3	0.4
Seasonally adjusted estimates	14 427.8	0.7
	Sep Qtr 02	Jun Qtr 02 to Sep Qtr 02
	\$m	% change
<b>Turnover, in volume terms</b>		
Trend estimates	41 562.0	1.5
Seasonally adjusted estimates	41 452.9	0.7

## KEY POINTS

### TREND ESTIMATES

- The trend estimate of turnover for the Australian Retail and Hospitality/Services series increased by 0.4% in September 2002 compared with August 2002. This follows increases of 0.5% in both August and July 2002.
- The trend estimate increased in all states, except Victoria and Tasmania. The largest increases were in New South Wales, Queensland and the Australian Capital Territory.
- Over the three months to September 2002 the trend estimate rose by \$196m. The Hospitality and services (+\$116m) and Food retailing (+\$108m) industries showed the largest increases, while Other retailing declined by \$76m.

### SEASONALLY ADJUSTED

- The seasonally adjusted estimate of turnover for the Australian Retail and Hospitality/Services series increased by 0.7% in September 2002 compared with August 2002. This follows a revised increase of 0.5% in August and a revised decrease of 0.1% in July 2002.

### ORIGINAL ESTIMATES

- In original terms, Australian turnover decreased by 2.6% in September 2002 compared with August 2002. Chains and other large retailers (which are completely enumerated) decreased by 3.1%, while 'smaller' retailers (the sampled units) decreased by 2.0%.
- In original terms, Australian turnover increased by 7.4% in September 2002 compared with September 2001. Chains and other large retailers increased by 6.8%, while 'smaller' retailers increased by 8.1%.

### VOLUME MEASURES

- The trend volume measure of turnover rose by 1.5% in the September quarter 2002. This follows increases of 1.6% in the June quarter 2002 and 1.5% in the March quarter 2002.

# NOTES

## FORTHCOMING ISSUES

<i>ISSUE</i>	<i>RELEASE DATE</i>
October 2002	3 December 2002
November 2002	6 January 2003
December 2002	4 February 2003
January 2003	6 March 2003
February 2003	2 April 2003
March 2003	6 May 2003



## CHANGES IN THIS ISSUE

The July 2002 issue of this publication presented the first release of estimates from the Retail Business Survey compiled using new statistical infrastructure. Since the release of the July 2002 issue, the process used to estimate the impacts of the infrastructure and other changes on the statistics has been refined. As a result of this refinement, historical series in this release have been revised back to April 1982.

The revised level estimate, in original terms, for the total Retail and Hospitality/Services series for June 2002 is 0.9% lower than the estimate released last month and 2.2% lower than the estimate initially released for June on the old basis.

In addition, the transition to the new basis added volatility to estimates for the July month, primarily due to the significantly increased rotation. Subsequent processing of the units rotated into the sample identified a number of revisions to data for July and August 2002 which have been included with this issue. As a result of this, the revised level estimates, in original terms, for the total Retail and Hospitality/Services series for July and August 2002 are 0.8% lower and 0.5% lower, respectively, than the estimates released last month.

Quarterly chain volume data are shown in tables 14 and 15 of this issue. Chain volume measures have been compiled using estimates based on the new statistical infrastructure, and a seasonal reanalysis of the data on the new basis has been completed. These series also reflect the latest revisions to June quarter 2002 and earlier periods described above. Movements between June and September quarters 2002 are subject to greater volatility than normal due to the introduction of the new infrastructure. For this reason, estimates at the state and industry level should be treated with some caution.

It is expected that there will be no further revisions as a result of the introduction of the new statistical infrastructure.

Refer to paragraphs 35 and 36 of the Explanatory notes for details of the correction applied to seasonally adjusted estimates to take account of the early timing of Father's Day.

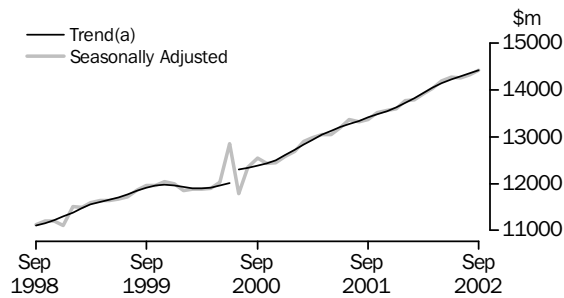
Dennis Trewin  
Australian Statistician

# INDUSTRY TRENDS

## MONTHLY SEASONALLY ADJUSTED AND TREND ESTIMATES

### TOTAL RETAIL

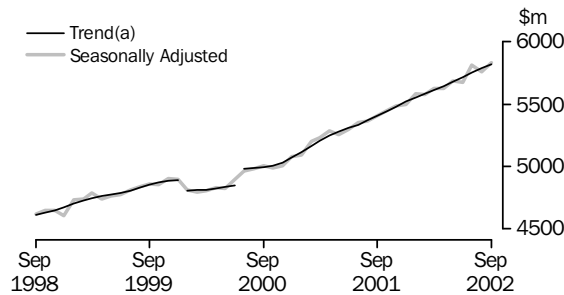
There has been moderate growth in the trend estimate in each of the last five months. The Hospitality and services industry had strong growth in each of the last seven months and the Clothing and soft good retailing industry had strong growth in each of the last three months. The Recreational good retailing industry had strong growth from December 2001 until August 2002, but in September 2002 had moderate growth. The trend growth rate for Other retailing has been decreasing since February 2002, with a decline in each of the last six months.



(a) Break in trend series from July 2000

### FOOD RETAILING

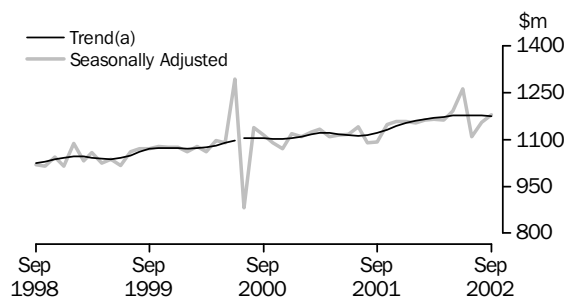
Moderate trend growth continued in September 2002. New South Wales and Victoria had moderate growth for the last six months, while Tasmania and the Australian Capital Territory have been in decline in each of the last four months.



(a) Break in trend series from January and July 2000

### DEPARTMENT STORES

The trend growth rate has been slowing since November 2001, with declines in August and September 2002. The slowing in the trend estimate for the last seven months has been influenced by the large decrease in the seasonally adjusted estimate for July 2002. Trend growth for New South Wales and Victoria has been in decline for three months.



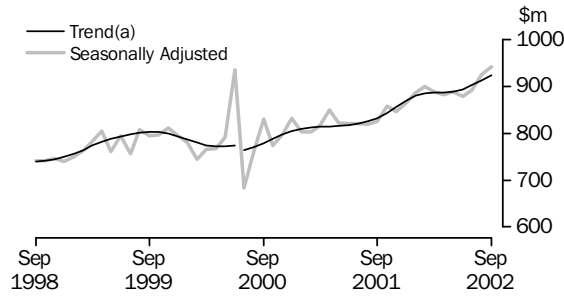
(a) Break in trend series from July 2000

## INDUSTRY TRENDS *continued*

### MONTHLY SEASONALLY ADJUSTED AND TREND ESTIMATES

**CLOTHING AND SOFT  
GOOD RETAILING**

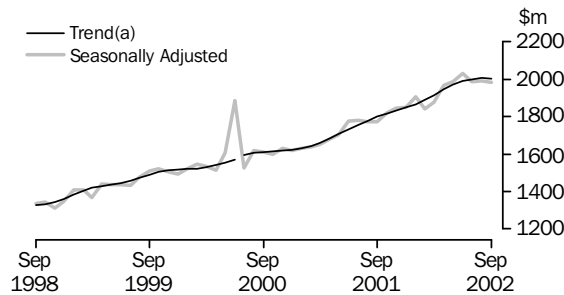
There has been strong trend growth in each of the last three months. Victoria and Western Australia have had strong growth in each of the last six months, and New South Wales has had strong growth in each of the last three months. Tasmania has had a decline in trend growth in each of the last six months and Queensland had weak growth in September 2002.



(a) Break in trend series from July 2000

**HOUSEHOLD GOOD  
RETAILING**

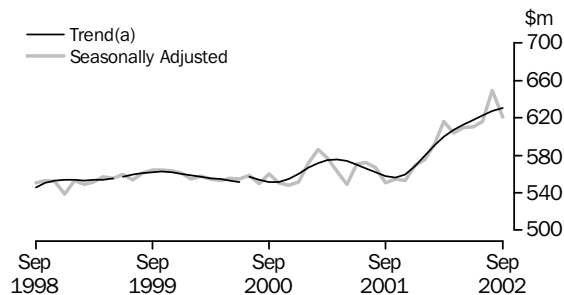
Although there has been strong trend growth for the twelve months to June 2002, the rate of trend growth has been slowing since April 2002. In September 2002 the trend fell. New South Wales and Queensland have had strong growth in each of the last eight months. The trend growth rate for all other states, except Tasmania, was in decline in September 2002.



(a) Break in trend series from July 2000

**RECREATIONAL GOOD  
RETAILING**

There had been strong trend growth in each of the nine months up until August 2002, but the trend growth in September 2002 was moderate. The trend growth in New South Wales and Victoria has been decreasing since March 2002. South Australia and the Australian Capital Territory have had strong trend growth in the last three months.



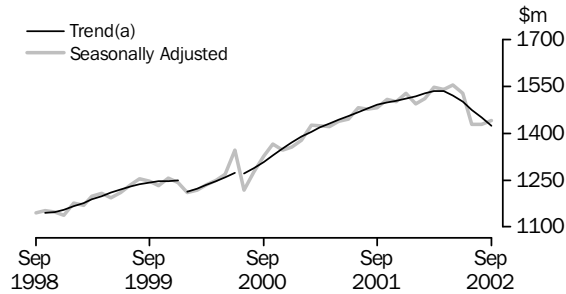
(a) Break in trend series from June 1999 and July 2000

## INDUSTRY TRENDS *continued*

### MONTHLY SEASONALLY ADJUSTED AND TREND ESTIMATES

#### OTHER RETAILING

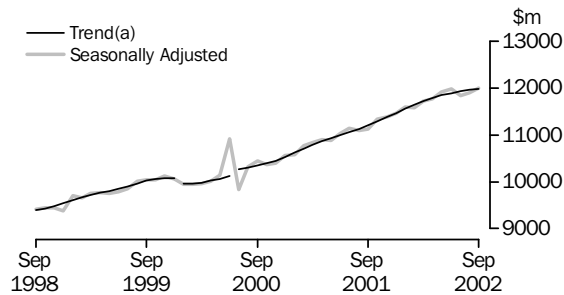
There has been a fall in the trend in each of the last six months. Victoria, Queensland, South Australia and Western Australia have had the largest falls over this period.



(a) Break in trend series from October 1998, January and July 2000

#### TOTAL RETAIL (EXCLUDING HOSPITALITY AND SERVICES)

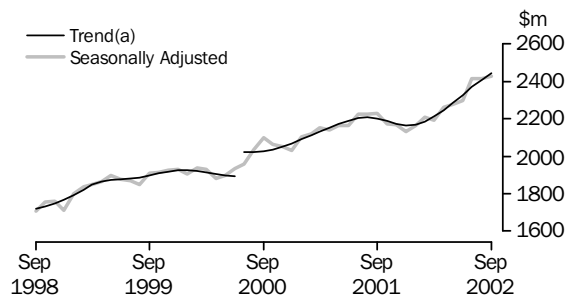
The trend growth for Total retail (excluding Hospitality and services) has been slightly weaker than the trend growth for Total industries (including Hospitality and services), in each of the last seven months.



(a) Break in trend series from January and July 2000

#### HOSPITALITY AND SERVICES

There has been strong growth in the trend estimate in each of the last seven months. All states except the Northern Territory have had strong growth in each of the last four months. Northern Territory has had five months of no growth.



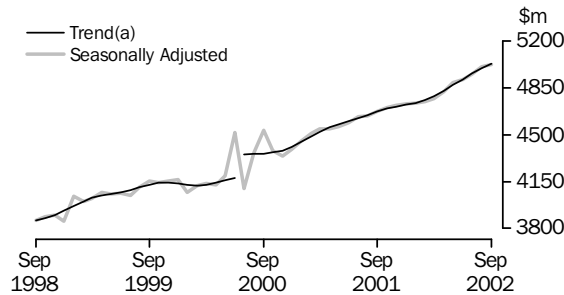
(a) Break in trend series from July 2000

## STATE TRENDS

### MONTHLY SEASONALLY ADJUSTED AND TREND ESTIMATES

#### NEW SOUTH WALES

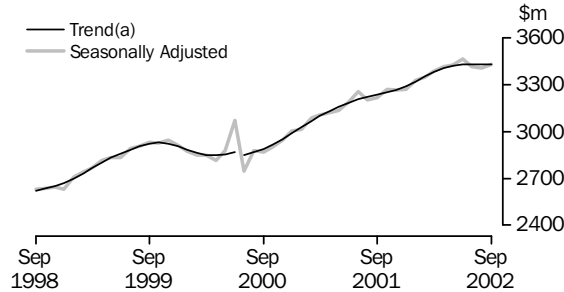
After five months of strong trend growth, there was moderate growth in September 2002. The Household good retailing and Hospitality and services industries had strong growth in each of the last seven months, while the Department stores and Other retailing industries have been in decline for four months.



(a) Break in trend series from July 2000

#### VICTORIA

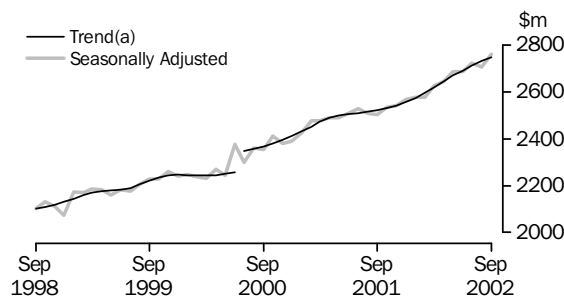
The rate of trend growth has been slowing since February 2002 with the trend in decline in September 2002. Over the last six months the rate of growth has decreased in all industries except Hospitality and services. Other retailing has been in decline in each of the last six months, while Clothing and soft good retailing has had ten months of strong growth.



(a) Break in trend series from July 2000

#### QUEENSLAND

There has been moderate trend growth in both of the last two months. Strong growth has been observed in the Household good retailing industry for over twelve months, and Hospitality and services has had strong growth in each of the last eight months. Other retailing has been in decline in each of the last six months.



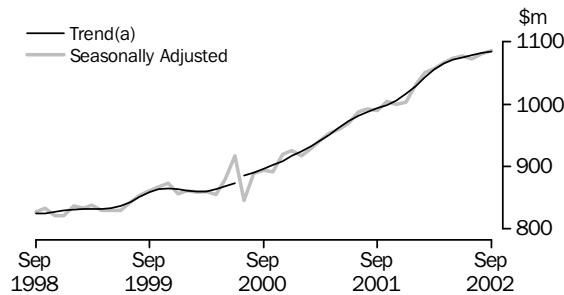
(a) Break in trend series from July 2000

## STATE TRENDS *continued*

### MONTHLY SEASONALLY ADJUSTED AND TREND ESTIMATES

#### SOUTH AUSTRALIA

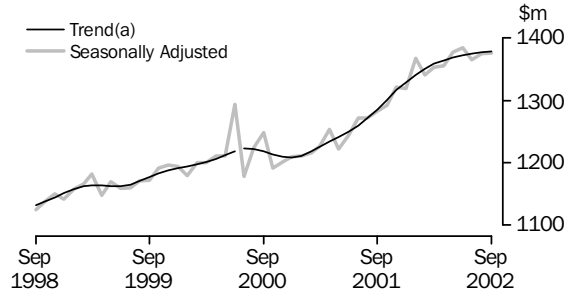
The rate of trend growth has been decreasing since February 2002, with weak growth in the last four months. The Hospitality and services industry has had strong growth in each of the last eleven months, while Recreational good retailing has had strong growth in each of the last four months. Household good retailing and Other retailing have been in decline in each of the last four months.



(a) Break in trend series from July 2000

#### WESTERN AUSTRALIA

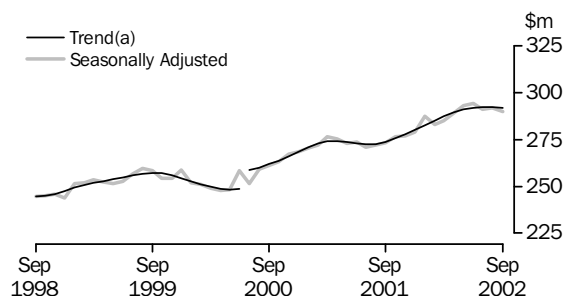
There has been weak trend growth in each of the last five months. In each of these months, the Household good retailing and Other retailing industries have been in decline while the Clothing and soft good retailing and Hospitality and services industries have had strong growth.



(a) Break in trend series from July 2000

#### TASMANIA

Since January 2002, the rate of trend growth has been decreasing with a decline in trend in September 2002. Strong growth has continued in the Hospitality and services industry. The Clothing and soft good retailing and the Recreational good retailing industries have been in decline for the last six months and the Food retailing industry has been in decline for the last four months.



(a) Break in trend series from July 2000

## RETAIL TURNOVER, By Industry Group(a)

Month	Food retailing	Department stores	Clothing and soft good retailing	Household good retailing	Recreational good retailing	Other retailing	Hospitality and services	Total
ORIGINAL (\$ million)								
<b>2001</b>								
July	5 161.8	1 082.3	792.7	1 738.3	540.3	1 402.3	2 191.0	12 908.7
August	5 376.5	942.1	753.3	1 764.4	556.3	1 459.5	2 243.6	13 095.7
September	5 230.2	991.9	784.6	1 697.2	520.3	1 424.4	2 181.2	12 829.8
October	5 513.3	1 109.7	863.7	1 854.3	545.2	1 526.9	2 209.6	13 622.6
November	5 583.9	1 320.9	886.0	1 947.7	588.7	1 620.6	2 228.0	14 175.9
December	6 246.6	2 235.0	1 241.7	2 374.9	810.1	2 180.3	2 451.9	17 540.6
<b>2002</b>								
January	5 737.4	1 011.3	867.6	1 895.3	576.2	1 396.1	2 179.1	13 663.0
February	5 150.4	824.6	706.7	1 643.8	530.7	1 315.9	2 020.0	12 192.2
March	5 761.1	1 021.8	804.7	1 777.3	589.2	1 430.6	2 216.6	13 601.2
April	5 408.1	1 053.6	863.5	1 816.0	560.8	1 438.3	2 180.8	13 321.2
May	5 693.4	1 164.1	932.6	1 937.4	579.8	1 548.7	2 231.0	14 086.9
June	5 356.5	1 120.7	842.8	1 964.6	546.8	1 410.2	2 161.7	13 403.2
July	5 636.6	1 053.4	868.3	1 947.2	591.4	1 352.1	2 381.3	13 830.3
August	5 793.5	1 042.8	862.7	1 965.3	641.3	1 399.0	2 440.4	14 144.9
September	5 577.8	1 038.1	887.0	1 915.7	585.9	1 389.6	2 380.9	13 775.0
SEASONALLY ADJUSTED (\$ million)								
<b>2001</b>								
July	5 349.6	1 140.6	820.7	1 781.2	572.4	1 481.0	2 223.7	13 369.1
August	5 362.9	1 090.2	818.7	1 773.6	566.9	1 478.0	2 225.2	13 315.4
September	5 410.1	1 092.3	826.1	1 771.6	550.2	1 483.2	2 228.2	13 361.7
October	5 448.1	1 147.2	857.5	1 820.8	554.6	1 507.8	2 172.2	13 508.1
November	5 484.9	1 158.3	846.0	1 845.4	552.7	1 501.3	2 169.3	13 558.0
December	5 496.3	1 156.9	864.1	1 848.4	569.1	1 527.6	2 132.9	13 595.3
<b>2002</b>								
January	5 585.6	1 153.1	887.4	1 907.4	575.7	1 494.2	2 165.4	13 768.7
February	5 574.2	1 161.8	900.1	1 839.3	592.4	1 511.4	2 207.4	13 786.6
March	5 626.1	1 165.5	888.9	1 878.5	615.9	1 547.1	2 191.2	13 913.1
April	5 622.3	1 162.4	882.5	1 965.9	603.7	1 540.2	2 260.8	14 037.8
May	5 686.7	1 190.9	888.7	1 988.9	609.6	1 555.3	2 276.7	14 196.8
June	5 671.2	1 261.3	879.1	2 031.1	610.8	1 527.4	2 295.9	14 276.7
July	5 813.7	1 109.7	892.1	1 985.3	616.5	1 428.5	2 413.6	14 259.3
August	5 761.7	1 154.4	925.8	1 990.6	649.6	1 429.2	2 415.6	14 326.8
September	5 831.7	1 179.1	942.9	1 983.4	620.8	1 442.2	2 427.6	14 427.8
TREND ESTIMATES (\$ million)								
<b>2001</b>								
July	5 337.1	1 112.1	821.3	1 756.2	565.7	1 466.7	2 203.0	13 270.9
August	5 370.6	1 114.7	825.7	1 777.9	561.4	1 479.8	2 207.2	13 340.8
September	5 407.6	1 121.7	832.9	1 798.8	557.6	1 491.0	2 201.1	13 411.0
October	5 445.8	1 131.7	843.7	1 817.3	556.4	1 498.9	2 187.2	13 480.2
November	5 483.0	1 142.2	856.6	1 833.5	559.7	1 504.4	2 172.0	13 550.9
December	5 519.5	1 151.7	869.7	1 848.5	568.1	1 510.0	2 164.2	13 629.5
<b>2002</b>								
January	5 552.5	1 159.0	880.3	1 866.1	579.4	1 518.8	2 167.3	13 722.9
February	5 583.2	1 164.7	886.1	1 888.7	590.5	1 529.5	2 183.2	13 827.9
March	5 613.0	1 169.0	887.4	1 915.9	599.9	1 536.5	2 210.4	13 936.7
April	5 644.1	1 173.3	887.2	1 944.8	607.1	1 534.4	2 246.6	14 043.3
May	5 677.8	1 177.0	888.7	1 970.8	612.5	1 521.7	2 286.8	14 139.9
June	5 714.0	1 178.4	893.8	1 989.4	617.3	1 500.7	2 327.9	14 223.1
July	5 751.5	1 177.9	902.8	1 999.9	622.4	1 475.8	2 368.3	14 296.7
August	5 788.4	1 176.3	913.4	2 004.9	627.2	1 450.7	2 406.6	14 363.9
September	5 821.7	1 174.4	924.7	2 002.8	631.0	1 424.6	2 443.9	14 419.3

(a) See paragraph 5 of the Explanatory Notes.



## RETAIL TURNOVER PERCENTAGE CHANGE, By Industry Group(a)

Month	Food retailing	Department stores	Clothing and soft good retailing	Household good retailing	Recreational good retailing	Other retailing	Hospitality and services	Total
ORIGINAL (% change from preceding month)								
<b>2001</b>								
July	1.8	7.9	-1.8	0.1	3.3	4.8	6.1	2.9
August	4.2	-13.0	-5.0	1.5	3.0	4.1	2.4	1.4
September	-2.7	5.3	4.2	-3.8	-6.5	-2.4	-2.8	-2.0
October	5.4	11.9	10.1	9.3	4.8	7.2	1.3	6.2
November	1.3	19.0	2.6	5.0	8.0	6.1	0.8	4.1
December	11.9	69.2	40.1	21.9	37.6	34.5	10.0	23.7
<b>2002</b>								
January	-8.2	-54.8	-30.1	-20.2	-28.9	-36.0	-11.1	-22.1
February	-10.2	-18.5	-18.5	-13.3	-7.9	-5.7	-7.3	-10.8
March	11.9	23.9	13.9	8.1	11.0	8.7	9.7	11.6
April	-6.1	3.1	7.3	2.2	-4.8	0.5	-1.6	-2.1
May	5.3	10.5	8.0	6.7	3.4	7.7	2.3	5.7
June	-5.9	-3.7	-9.6	1.4	-5.7	-8.9	-3.1	-4.9
July	5.2	-6.0	3.0	-0.9	8.2	-4.1	10.2	3.2
August	2.8	-1.0	-0.6	0.9	8.4	3.5	2.5	2.3
September	-3.7	-0.4	2.8	-2.5	-8.6	-0.7	-2.4	-2.6
SEASONALLY ADJUSTED (% change from preceding month)								
<b>2001</b>								
July	1.0	2.2	0.0	0.3	0.3	2.4	2.7	1.4
August	0.2	-4.4	-0.2	-0.4	-1.0	-0.2	0.1	-0.4
September	0.9	0.2	0.9	-0.1	-2.9	0.4	0.1	0.3
October	0.7	5.0	3.8	2.8	0.8	1.7	-2.5	1.1
November	0.7	1.0	-1.3	1.4	-0.3	-0.4	-0.1	0.4
December	0.2	-0.1	2.1	0.2	3.0	1.8	-1.7	0.3
<b>2002</b>								
January	1.6	-0.3	2.7	3.2	1.2	-2.2	1.5	1.3
February	-0.2	0.7	1.4	-3.6	2.9	1.2	1.9	0.1
March	0.9	0.3	-1.2	2.1	4.0	2.4	-0.7	0.9
April	-0.1	-0.3	-0.7	4.7	-2.0	-0.5	3.2	0.9
May	1.1	2.5	0.7	1.2	1.0	1.0	0.7	1.1
June	-0.3	5.9	-1.1	2.1	0.2	-1.8	0.8	0.6
July	2.5	-12.0	1.5	-2.3	0.9	-6.5	5.1	-0.1
August	-0.9	4.0	3.8	0.3	5.4	0.0	0.1	0.5
September	1.2	2.1	1.9	-0.4	-4.4	0.9	0.5	0.7
TREND ESTIMATES (% change from preceding month)								
<b>2001</b>								
July	0.6	-0.1	0.4	1.3	-0.8	0.8	0.6	0.5
August	0.6	0.2	0.5	1.2	-0.8	0.9	0.2	0.5
September	0.7	0.6	0.9	1.2	-0.7	0.8	-0.3	0.5
October	0.7	0.9	1.3	1.0	-0.2	0.5	-0.6	0.5
November	0.7	0.9	1.5	0.9	0.6	0.4	-0.7	0.5
December	0.7	0.8	1.5	0.8	1.5	0.4	-0.4	0.6
<b>2002</b>								
January	0.6	0.6	1.2	1.0	2.0	0.6	0.1	0.7
February	0.6	0.5	0.7	1.2	1.9	0.7	0.7	0.8
March	0.5	0.4	0.1	1.4	1.6	0.5	1.2	0.8
April	0.6	0.4	0.0	1.5	1.2	-0.1	1.6	0.8
May	0.6	0.3	0.2	1.3	0.9	-0.8	1.8	0.7
June	0.6	0.1	0.6	0.9	0.8	-1.4	1.8	0.6
July	0.7	0.0	1.0	0.5	0.8	-1.7	1.7	0.5
August	0.6	-0.1	1.2	0.3	0.8	-1.7	1.6	0.5
September	0.6	-0.2	1.2	-0.1	0.6	-1.8	1.6	0.4

(a) See paragraph 5 of the Explanatory Notes.

RETAIL TURNOVER, By Sub-Group(a): Original

Month	FOOD RETAILING				CLOTHING & SOFT GOOD RETAILING				HOUSEHOLD GOOD RETAILING			
	Super-markets & grocery stores	Take-away food retailing	Other food retailing	Total	Department stores	Clothing retailing	Foot-wear, fabric & other soft good retailing	Total	Furniture & floor covering retailing	Domestic hardware & house-ware retailing	Domestic appliance & recorded music retailing	Total
\$ MILLION												
<b>2001</b>												
September	3 850.6	542.5	837.2	5 230.2	991.9	537.7	246.9	784.6	387.3	517.0	793.0	1 697.2
October	4 030.0	566.6	916.7	5 513.3	1 109.7	582.0	281.7	863.7	427.6	599.3	827.4	1 854.3
November	4 077.0	553.8	953.2	5 583.9	1 320.9	606.2	279.8	886.0	438.1	594.8	914.7	1 947.7
December	4 427.7	600.8	1 218.1	6 246.6	2 235.0	885.9	355.9	1 241.7	445.8	697.6	1 231.6	2 374.9
<b>2002</b>												
January	4 159.0	599.0	979.4	5 737.4	1 011.3	571.3	296.3	867.6	445.4	574.2	875.7	1 895.3
February	3 755.7	509.9	884.8	5 150.4	824.6	469.9	236.8	706.7	377.3	512.7	753.7	1 643.8
March	4 212.2	571.6	977.3	5 761.1	1 021.8	556.5	248.3	804.7	403.0	566.8	807.5	1 777.3
April	3 908.3	574.9	924.9	5 408.1	1 053.6	592.4	271.2	863.5	432.8	545.2	838.0	1 816.0
May	4 157.1	574.6	961.8	5 693.4	1 164.1	635.7	296.9	932.6	436.2	530.8	970.3	1 937.4
June	3 895.5	558.5	902.4	5 356.5	1 120.7	574.3	268.5	842.8	450.9	512.9	1 000.8	1 964.6
July	4 069.5	592.3	974.7	5 636.6	1 053.4	594.8	273.5	868.3	469.4	528.2	949.6	1 947.2
August	4 241.6	577.6	974.2	5 793.5	1 042.8	600.9	261.8	862.7	457.9	566.6	940.8	1 965.3
September	4 027.3	573.3	977.2	5 577.8	1 038.1	616.1	270.9	887.0	447.2	590.5	878.0	1 915.7
% CHANGE FROM PRECEDING MONTH												
<b>2001</b>												
September	-3.4	-1.3	-0.4	-2.7	5.3	4.9	2.7	4.2	-5.4	1.2	-6.1	-3.8
October	4.7	4.4	9.5	5.4	11.9	8.3	14.1	10.1	10.4	15.9	4.3	9.3
November	1.2	-2.3	4.0	1.3	19.0	4.2	-0.7	2.6	2.5	-0.7	10.6	5.0
December	8.6	8.5	27.8	11.9	69.2	46.1	27.2	40.1	1.7	17.3	34.6	21.9
<b>2002</b>												
January	-6.1	-0.3	-19.6	-8.2	-54.8	-35.5	-16.7	-30.1	-0.1	-17.7	-28.9	-20.2
February	-9.7	-14.9	-9.7	-10.2	-18.5	-17.7	-20.1	-18.5	-15.3	-10.7	-13.9	-13.3
March	12.2	12.1	10.5	11.9	23.9	18.4	4.8	13.9	6.8	10.6	7.1	8.1
April	-7.2	0.6	-5.4	-6.1	3.1	6.4	9.2	7.3	7.4	-3.8	3.8	2.2
May	6.4	-0.1	4.0	5.3	10.5	7.3	9.5	8.0	0.8	-2.6	15.8	6.7
June	-6.3	-2.8	-6.2	-5.9	-3.7	-9.7	-9.6	-9.6	3.4	-3.4	3.1	1.4
July	4.5	6.0	8.0	5.2	-6.0	3.6	1.9	3.0	4.1	3.0	-5.1	-0.9
August	4.2	-2.5	-0.1	2.8	-1.0	1.0	-4.3	-0.6	-2.5	7.3	-0.9	0.9
September	-5.1	-0.7	0.3	-3.7	-0.4	2.5	3.5	2.8	-2.3	4.2	-6.7	-2.5
% CHANGE FROM CORRESPONDING MONTH OF PREVIOUS YEAR												
<b>2001</b>												
September	7.8	6.1	0.4	6.4	-4.2	-3.4	-1.5	-2.8	6.2	16.5	5.0	8.5
October	10.0	2.8	13.9	9.9	5.7	14.4	7.1	11.9	9.6	26.0	10.3	14.7
November	9.9	3.8	16.4	10.3	9.4	9.1	4.0	7.4	7.7	19.3	14.4	14.3
December	5.4	4.3	12.2	6.5	4.3	6.3	-4.5	3.0	10.2	12.7	14.5	13.1
<b>2002</b>												
January	10.7	5.2	20.5	11.6	5.9	14.0	7.2	11.6	19.5	18.0	15.4	17.1
February	6.0	1.1	16.5	7.1	3.4	13.3	9.7	12.1	12.9	19.0	7.8	12.2
March	7.1	0.3	13.7	7.4	2.6	7.6	-1.1	4.8	5.8	19.1	9.5	11.5
April	4.4	6.5	10.3	5.6	3.8	4.5	14.0	7.3	15.2	17.0	22.4	19.0
May	7.8	8.4	15.7	9.1	5.9	5.4	16.2	8.6	11.6	12.9	24.6	18.2
June	4.5	5.6	10.9	5.6	11.7	1.7	10.7	4.4	5.3	9.1	19.4	13.1
July	7.3	7.9	18.9	9.2	-2.7	11.1	6.3	9.5	10.2	12.0	13.0	12.0
August	6.4	5.1	15.9	7.8	10.7	17.2	8.8	14.5	11.9	10.9	11.5	11.4
September	4.6	5.7	16.7	6.6	4.7	14.6	9.7	13.1	15.5	14.2	10.7	12.9

(a) See paragraph 5 of Explanatory Notes.

RETAIL TURNOVER, By Sub-Group(a): **Original** *continued*

Month	RECREATIONAL GOOD RETAILING			OTHER RETAILING			HOSPITALITY & SERVICES				Total all industries
	News-paper, book & stationery retailing	Other recreational goods retailing	Total	Pharmaceutical, cosmetic & toiletry retailing	Other retailing n.e.c.	Total	Hotels & licensed clubs	Cafes & restaurants	Selected services	Total	
\$ MILLION											
<b>2001</b>											
September	324.3	196.0	520.3	622.0	802.4	1 424.4	1 276.4	691.7	213.2	2 181.2	12 829.8
October	349.2	195.9	545.2	651.0	875.9	1 526.9	1 278.2	710.0	221.4	2 209.6	13 622.6
November	358.4	230.3	588.7	660.3	960.3	1 620.6	1 283.5	716.6	227.9	2 228.0	14 175.9
December	435.1	375.0	810.1	772.0	1 408.3	2 180.3	1 415.4	776.7	259.8	2 451.9	17 540.6
<b>2002</b>											
January	368.5	207.7	576.2	577.0	819.1	1 396.1	1 261.9	673.3	243.9	2 179.1	13 663.0
February	357.6	173.2	530.7	552.5	763.4	1 315.9	1 170.3	629.5	220.3	2 020.0	12 192.2
March	384.3	204.9	589.2	595.1	835.4	1 430.6	1 286.7	695.3	234.6	2 216.6	13 601.2
April	369.7	191.1	560.8	635.8	802.5	1 438.3	1 264.8	674.9	241.1	2 180.8	13 321.2
May	385.6	194.2	579.8	682.9	865.8	1 548.7	1 285.6	689.9	255.5	2 231.0	14 086.9
June	356.1	190.7	546.8	634.4	775.8	1 410.2	1 254.1	658.1	249.5	2 161.7	13 403.2
July	395.2	196.3	591.4	634.6	717.5	1 352.1	1 358.8	800.8	221.6	2 381.3	13 830.3
August	433.1	208.2	641.3	628.0	770.9	1 399.0	1 374.5	839.8	226.2	2 440.4	14 144.9
September	386.0	199.8	585.9	611.6	778.1	1 389.6	1 345.2	819.9	215.8	2 380.9	13 775.0
% CHANGE FROM PRECEDING MONTH											
<b>2001</b>											
September	-10.2	0.5	-6.5	-6.4	1.0	-2.4	-0.9	-6.7	-0.7	-2.8	-2.0
October	7.7	0.0	4.8	4.7	9.2	7.2	0.1	2.7	3.8	1.3	6.2
November	2.6	17.5	8.0	1.4	9.6	6.1	0.4	0.9	2.9	0.8	4.1
December	21.4	62.8	37.6	16.9	46.7	34.5	10.3	8.4	14.0	10.0	23.7
<b>2002</b>											
January	-15.3	-44.6	-28.9	-25.3	-41.8	-36.0	-10.8	-13.3	-6.1	-11.1	-22.1
February	-3.0	-16.6	-7.9	-4.2	-6.8	-5.7	-7.3	-6.5	-9.7	-7.3	-10.8
March	7.5	18.3	11.0	7.7	9.4	8.7	9.9	10.5	6.5	9.7	11.6
April	-3.8	-6.7	-4.8	6.8	-3.9	0.5	-1.7	-2.9	2.8	-1.6	-2.1
May	4.3	1.6	3.4	7.4	7.9	7.7	1.6	2.2	6.0	2.3	5.7
June	-7.7	-1.8	-5.7	-7.1	-10.4	-8.9	-2.4	-4.6	-2.3	-3.1	-4.9
July	11.0	2.9	8.2	0.0	-7.5	-4.1	8.3	21.7	-11.2	10.2	3.2
August	9.6	6.1	8.4	-1.0	7.4	3.5	1.2	4.9	2.1	2.5	2.3
September	-10.9	-4.0	-8.6	-2.6	0.9	-0.7	-2.1	-2.4	-4.6	-2.4	-2.6
% CHANGE FROM CORRESPONDING MONTH OF PREVIOUS YEAR											
<b>2001</b>											
September	-0.2	-11.1	-4.6	10.7	11.0	10.9	10.2	-4.2	6.0	4.8	4.9
October	4.7	-2.1	2.1	14.7	8.2	10.9	8.7	0.2	5.5	5.5	9.3
November	1.3	1.8	1.5	12.8	10.9	11.6	8.5	4.2	6.9	6.9	9.8
December	1.7	3.7	2.7	10.2	13.4	12.3	3.8	3.8	2.6	3.6	6.9
<b>2002</b>											
January	4.2	-1.2	2.2	8.8	10.2	9.6	6.8	-3.8	9.0	3.5	9.9
February	3.8	-3.1	1.4	6.8	5.3	5.9	7.6	-3.1	9.6	4.3	6.9
March	3.5	3.2	3.4	4.6	8.7	7.0	5.1	-6.1	4.3	1.2	6.1
April	17.9	-1.8	10.4	10.6	6.7	8.4	9.0	-3.9	13.5	5.1	7.6
May	16.4	2.7	11.4	8.6	9.1	8.9	10.6	-3.3	21.4	7.0	9.7
June	8.8	-2.7	4.5	5.2	5.6	5.4	6.2	-2.2	18.0	4.7	6.8
July	13.8	1.7	9.5	-0.6	-6.1	-3.6	8.2	11.1	3.0	8.7	7.1
August	19.9	6.7	15.3	-5.5	-3.0	-4.2	6.8	13.2	5.4	8.8	8.0
September	19.0	1.9	12.6	-1.7	-3.0	-2.4	5.4	18.5	1.2	9.2	7.4

(a) See paragraph 5 of Explanatory Notes.

## RETAIL TURNOVER, By State

Month	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
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## ORIGINAL (\$ million)

2001									
July	4 504.3	3 113.3	2 451.9	953.6	1 207.4	252.5	147.4	278.3	12 908.7
August	4 553.0	3 137.2	2 499.2	969.7	1 244.7	262.9	153.4	275.7	13 095.7
September	4 490.1	3 053.4	2 445.5	953.5	1 217.2	255.7	139.6	274.7	12 829.8
October	4 724.5	3 299.7	2 560.6	1 006.3	1 323.8	273.5	147.4	286.9	13 622.6
November	4 911.5	3 435.2	2 633.0	1 063.6	1 391.9	293.3	146.4	301.0	14 175.9
December	6 120.0	4 302.7	3 241.6	1 296.3	1 693.6	359.1	154.9	372.4	17 540.6
2002									
January	4 716.5	3 271.2	2 613.8	1 019.4	1 347.1	285.6	131.4	277.9	13 663.0
February	4 200.7	2 952.7	2 269.3	918.5	1 211.5	259.6	120.7	259.3	12 192.2
March	4 641.7	3 317.9	2 541.1	1 052.5	1 334.0	289.1	137.0	287.8	13 601.2
April	4 602.3	3 244.5	2 479.3	1 008.3	1 287.2	277.2	139.3	283.1	13 321.2
May	4 876.2	3 399.1	2 645.1	1 062.7	1 363.0	292.4	150.9	297.4	14 086.9
June	4 585.2	3 254.6	2 555.5	1 006.4	1 289.1	275.0	151.3	286.0	13 403.2
July	4 807.5	3 303.3	2 660.9	1 031.6	1 307.5	272.2	161.7	285.6	13 830.3
August	4 938.2	3 328.4	2 705.4	1 067.4	1 361.2	281.0	164.9	298.4	14 144.9
September	4 832.9	3 247.2	2 669.9	1 030.3	1 285.2	269.7	152.5	287.3	13 775.0

## SEASONALLY ADJUSTED (\$ million)

2001									
July	4 637.4	3 254.3	2 528.2	987.2	1 271.9	271.0	138.8	280.3	13 369.1
August	4 642.2	3 205.0	2 509.9	992.2	1 272.0	272.0	139.5	282.7	13 315.4
September	4 673.8	3 216.0	2 502.7	990.1	1 282.9	273.3	137.4	285.4	13 361.7
October	4 701.1	3 269.7	2 535.8	1 004.7	1 292.8	276.5	141.2	286.4	13 508.1
November	4 718.0	3 265.3	2 542.6	999.7	1 321.9	277.1	144.3	289.2	13 558.0
December	4 730.0	3 270.7	2 567.5	1 003.0	1 319.0	278.9	139.5	286.9	13 595.3
2002									
January	4 739.2	3 328.7	2 576.4	1 031.2	1 367.7	287.3	146.0	292.2	13 768.7
February	4 746.6	3 348.9	2 576.2	1 051.2	1 340.9	283.1	144.3	295.3	13 786.6
March	4 768.7	3 385.5	2 624.7	1 056.9	1 353.2	284.9	145.6	293.6	13 913.1
April	4 823.0	3 414.6	2 644.6	1 067.1	1 356.1	289.3	147.8	295.5	14 037.8
May	4 891.4	3 428.5	2 686.5	1 073.9	1 377.9	293.2	149.1	296.3	14 196.8
June	4 915.3	3 465.2	2 689.0	1 077.2	1 384.1	294.4	150.3	301.2	14 276.7
July	4 951.2	3 419.0	2 722.5	1 073.0	1 364.6	291.3	150.4	287.3	14 259.3
August	5 009.9	3 408.0	2 708.3	1 081.3	1 375.1	291.8	149.7	302.8	14 326.8
September	5 025.5	3 432.8	2 761.8	1 086.0	1 376.3	289.9	152.1	303.4	14 427.8

## TREND ESTIMATES (\$ million)

2001									
July	4 623.6	3 205.9	2 510.3	981.3	1 260.0	272.5	137.9	279.4	13 270.9
August	4 649.4	3 223.1	2 515.3	987.9	1 271.6	272.6	138.8	282.1	13 340.8
September	4 674.5	3 237.6	2 522.0	993.1	1 285.5	273.7	139.8	284.6	13 411.0
October	4 695.4	3 251.3	2 530.7	998.6	1 301.1	275.6	140.7	286.7	13 480.2
November	4 710.7	3 268.4	2 542.0	1 005.9	1 316.1	277.9	141.7	288.4	13 550.9
December	4 723.6	3 291.2	2 556.7	1 016.0	1 329.1	280.2	142.7	289.9	13 629.5
2002									
January	4 738.7	3 320.7	2 575.2	1 029.0	1 341.1	282.6	143.8	291.7	13 722.9
February	4 759.4	3 353.7	2 597.2	1 043.1	1 351.1	285.0	145.1	293.3	13 827.9
March	4 788.4	3 384.5	2 620.9	1 055.9	1 358.7	287.4	146.3	294.5	13 936.7
April	4 826.8	3 409.0	2 645.7	1 065.4	1 364.2	289.5	147.5	295.3	14 043.3
May	4 870.8	3 424.1	2 670.1	1 071.3	1 368.4	290.9	148.6	295.9	14 139.9
June	4 915.3	3 430.7	2 692.6	1 075.0	1 371.8	291.8	149.5	296.6	14 223.1
July	4 957.4	3 432.9	2 713.0	1 078.5	1 374.7	292.3	150.3	297.7	14 296.7
August	4 996.8	3 432.7	2 732.3	1 081.7	1 377.2	292.3	151.1	299.0	14 363.9
September	5 033.0	3 429.9	2 748.2	1 084.7	1 378.1	292.0	151.7	300.6	14 419.3

## RETAIL TURNOVER PERCENTAGE CHANGE, By State

Month	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
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## ORIGINAL (% change from preceding month)

## 2001

July	3.9	2.5	1.6	4.4	2.4	-3.0	4.6	5.0	2.9
August	1.1	0.8	1.9	1.7	3.1	4.1	4.0	-0.9	1.4
September	-1.4	-2.7	-2.1	-1.7	-2.2	-2.7	-9.0	-0.4	-2.0
October	5.2	8.1	4.7	5.5	8.8	6.9	5.6	4.4	6.2
November	4.0	4.1	2.8	5.7	5.1	7.3	-0.7	4.9	4.1
December	24.6	25.3	23.1	21.9	21.7	22.4	5.8	23.7	23.7

## 2002

January	-22.9	-24.0	-19.4	-21.4	-20.5	-20.5	-15.2	-25.4	-22.1
February	-10.9	-9.7	-13.2	-9.9	-10.1	-9.1	-8.2	-6.7	-10.8
March	10.5	12.4	12.0	14.6	10.1	11.4	13.6	11.0	11.6
April	-0.8	-2.2	-2.4	-4.2	-3.5	-4.1	1.6	-1.6	-2.1
May	6.0	4.8	6.7	5.4	5.9	5.5	8.4	5.0	5.7
June	-6.0	-4.3	-3.4	-5.3	-5.4	-6.0	0.3	-3.8	-4.9
July	4.8	1.5	4.1	2.5	1.4	-1.0	6.8	-0.1	3.2
August	2.7	0.8	1.7	3.5	4.1	3.2	2.0	4.5	2.3
September	-2.1	-2.4	-1.3	-3.5	-5.6	-4.0	-7.5	-3.7	-2.6

## SEASONALLY ADJUSTED (% change from preceding month)

## 2001

July	1.0	2.1	0.8	1.8	2.2	-1.0	0.8	1.0	1.4
August	0.1	-1.5	-0.7	0.5	0.0	0.4	0.5	0.8	-0.4
September	0.7	0.3	-0.3	-0.2	0.9	0.5	-1.5	1.0	0.3
October	0.6	1.7	1.3	1.5	0.8	1.1	2.8	0.3	1.1
November	0.4	-0.1	0.3	-0.5	2.2	0.2	2.2	1.0	0.4
December	0.3	0.2	1.0	0.3	-0.2	0.6	-3.4	-0.8	0.3

## 2002

January	0.2	1.8	0.3	2.8	3.7	3.0	4.7	1.9	1.3
February	0.2	0.6	0.0	1.9	-2.0	-1.5	-1.2	1.1	0.1
March	0.5	1.1	1.9	0.5	0.9	0.6	0.9	-0.6	0.9
April	1.1	0.9	0.8	1.0	0.2	1.5	1.5	0.6	0.9
May	1.4	0.4	1.6	0.6	1.6	1.4	0.9	0.3	1.1
June	0.5	1.1	0.1	0.3	0.4	0.4	0.8	1.6	0.6
July	0.7	-1.3	1.2	-0.4	-1.4	-1.1	0.1	-4.6	-0.1
August	1.2	-0.3	-0.5	0.8	0.8	0.2	-0.5	5.4	0.5
September	0.3	0.7	2.0	0.4	0.1	-0.7	1.6	0.2	0.7

## TREND ESTIMATES (% change from preceding month)

## 2001

July	0.5	0.7	0.1	0.9	0.8	-0.2	0.6	1.0	0.5
August	0.6	0.5	0.2	0.7	0.9	0.0	0.6	1.0	0.5
September	0.5	0.5	0.3	0.5	1.1	0.4	0.7	0.9	0.5
October	0.4	0.4	0.3	0.6	1.2	0.7	0.7	0.7	0.5
November	0.3	0.5	0.4	0.7	1.2	0.8	0.7	0.6	0.5
December	0.3	0.7	0.6	1.0	1.0	0.8	0.7	0.5	0.6

## 2002

January	0.3	0.9	0.7	1.3	0.9	0.9	0.8	0.6	0.7
February	0.4	1.0	0.9	1.4	0.7	0.9	0.9	0.6	0.8
March	0.6	0.9	0.9	1.2	0.6	0.8	0.9	0.4	0.8
April	0.8	0.7	0.9	0.9	0.4	0.7	0.8	0.3	0.8
May	0.9	0.4	0.9	0.6	0.3	0.5	0.8	0.2	0.7
June	0.9	0.2	0.8	0.3	0.3	0.3	0.6	0.2	0.6
July	0.9	0.1	0.8	0.3	0.2	0.1	0.5	0.4	0.5
August	0.8	0.0	0.7	0.3	0.2	0.0	0.5	0.4	0.5
September	0.7	-0.1	0.6	0.3	0.1	-0.1	0.4	0.5	0.4

## RETAIL TURNOVER, By Industry Group(a)—New South Wales

Month	Food retailing	Department stores	Clothing and soft good retailing	Household good retailing	Recreational good retailing	Other retailing	Hospitality and services	Total
ORIGINAL (\$ million)								
<b>2001</b>								
July	1 692.8	381.5	276.1	541.4	191.0	487.0	934.5	4 504.3
August	1 753.5	326.9	254.6	541.5	194.3	513.2	969.1	4 553.0
September	1 730.3	347.3	273.0	511.6	181.9	494.7	951.2	4 490.1
October	1 838.1	390.2	293.1	539.9	185.7	534.8	942.7	4 724.5
November	1 849.2	459.1	300.3	572.4	205.4	578.4	946.7	4 911.5
December	2 086.3	792.5	434.0	718.0	268.6	792.2	1 028.3	6 120.0
<b>2002</b>								
January	1 930.5	351.7	312.6	559.5	187.7	480.7	893.9	4 716.5
February	1 713.7	290.9	254.8	472.0	180.9	455.2	833.2	4 200.7
March	1 893.5	350.5	284.4	517.1	207.0	495.0	894.3	4 641.7
April	1 795.4	364.4	283.7	545.7	197.3	503.4	912.3	4 602.3
May	1 868.8	420.1	317.3	587.1	200.0	540.8	942.1	4 876.2
June	1 767.6	381.1	271.9	585.4	188.3	483.9	906.9	4 585.2
July	1 862.0	361.2	297.0	626.1	202.9	476.3	982.0	4 807.5
August	1 908.7	367.2	292.7	630.7	223.5	499.8	1 015.7	4 938.2
September	1 849.9	364.5	304.0	611.7	197.2	504.2	1 001.6	4 832.9
SEASONALLY ADJUSTED (\$ million)								
<b>2001</b>								
July	1 756.9	398.5	286.3	543.3	195.9	518.1	938.3	4 637.4
August	1 767.8	371.9	276.0	541.1	194.4	530.2	960.7	4 642.2
September	1 780.3	384.9	284.4	540.4	192.0	527.1	964.7	4 673.8
October	1 806.1	406.3	292.5	539.4	194.2	525.8	936.8	4 701.1
November	1 821.7	401.6	288.0	545.6	195.8	533.4	931.9	4 718.0
December	1 822.2	408.4	298.8	558.6	196.0	539.3	906.6	4 730.0
<b>2002</b>								
January	1 873.6	399.5	317.4	557.1	194.5	512.3	884.9	4 739.2
February	1 853.4	412.1	322.2	526.7	200.6	521.6	909.8	4 746.6
March	1 865.7	409.2	308.2	547.4	209.5	540.2	888.4	4 768.7
April	1 847.0	402.6	296.6	598.8	205.2	534.9	937.8	4 823.0
May	1 883.4	416.4	301.1	595.7	208.1	534.5	952.2	4 891.4
June	1 870.0	445.3	293.9	599.4	210.0	534.9	961.7	4 915.3
July	1 932.6	380.7	310.1	632.1	206.6	503.1	985.9	4 951.2
August	1 906.0	403.1	316.0	635.7	220.6	527.2	1 001.3	5 009.9
September	1 924.2	412.0	320.1	637.4	206.8	520.6	1 004.3	5 025.5
TREND ESTIMATES (\$ million)								
<b>2001</b>								
July	1 755.5	386.3	288.8	541.4	192.7	520.0	937.7	4 623.6
August	1 769.1	388.0	285.3	542.6	193.0	524.6	945.4	4 649.4
September	1 785.4	391.3	284.6	544.1	193.6	528.2	946.9	4 674.5
October	1 803.3	395.8	288.5	544.5	194.0	530.0	940.0	4 695.4
November	1 820.6	400.4	295.6	544.1	194.7	530.7	926.3	4 710.7
December	1 836.1	404.1	303.1	544.8	196.1	530.8	911.7	4 723.6
<b>2002</b>								
January	1 847.4	406.6	308.3	547.5	198.5	531.5	902.0	4 738.7
February	1 855.2	408.3	309.7	553.0	201.2	532.4	901.4	4 759.4
March	1 861.3	409.4	307.9	562.8	203.9	532.9	910.3	4 788.4
April	1 868.3	410.4	305.0	576.7	206.4	532.1	926.6	4 826.8
May	1 877.6	411.1	303.0	593.0	208.4	530.1	946.2	4 870.8
June	1 889.1	411.0	303.7	609.0	209.8	527.3	965.2	4 915.3
July	1 901.7	410.4	306.7	622.5	210.9	523.9	981.7	4 957.4
August	1 913.5	409.5	310.6	633.7	211.6	520.9	995.6	4 996.8
September	1 922.7	409.0	315.3	641.0	211.9	517.9	1 007.5	5 033.0

(a) See paragraph 5 of the Explanatory Notes.

## RETAIL TURNOVER, By Industry Group(a)—Victoria

Month	Food retailing	Department stores	Clothing and soft good retailing	Household good retailing	Recreational good retailing	Other retailing	Hospitality and services	Total
ORIGINAL (\$ million)								
<b>2001</b>								
July	1 265.8	270.6	203.3	462.2	122.6	354.5	434.4	3 113.3
August	1 319.2	227.1	192.9	470.6	125.7	361.9	439.7	3 137.2
September	1 273.4	245.8	195.7	464.3	118.8	348.3	407.2	3 053.4
October	1 342.3	274.3	221.1	520.2	130.2	368.6	442.8	3 299.7
November	1 378.2	322.5	225.8	530.2	138.8	390.9	448.8	3 435.2
December	1 546.4	563.8	316.7	648.2	195.1	528.6	503.8	4 302.7
<b>2002</b>								
January	1 385.9	247.9	209.5	505.3	140.1	347.1	435.3	3 271.2
February	1 255.9	203.0	180.3	444.1	121.7	327.8	419.8	2 952.7
March	1 406.9	261.2	213.3	484.9	135.0	348.3	468.4	3 317.9
April	1 310.9	273.3	250.3	495.2	126.4	357.7	430.9	3 244.5
May	1 384.8	287.1	257.9	512.4	138.7	388.8	429.6	3 399.1
June	1 301.6	295.2	233.0	534.3	126.7	343.8	420.0	3 254.6
July	1 377.2	261.0	233.4	502.4	145.1	304.7	479.5	3 303.3
August	1 412.8	246.4	230.6	496.2	154.6	319.8	468.1	3 328.4
September	1 385.1	247.3	236.2	478.3	138.1	318.1	443.9	3 247.2
SEASONALLY ADJUSTED (\$ million)								
<b>2001</b>								
July	1 318.4	289.3	216.6	486.3	134.4	367.0	442.2	3 254.3
August	1 311.0	273.8	211.2	485.3	128.6	365.9	429.4	3 205.0
September	1 325.5	276.1	214.1	486.7	126.8	362.6	424.2	3 216.0
October	1 329.7	282.5	222.3	510.5	131.8	355.9	437.1	3 269.7
November	1 335.9	287.2	214.1	495.8	131.7	360.9	439.6	3 265.3
December	1 326.9	284.6	217.0	495.1	127.4	371.5	448.3	3 270.7
<b>2002</b>								
January	1 359.7	285.7	223.0	498.0	134.2	384.2	443.9	3 328.7
February	1 355.4	287.3	228.8	498.4	139.1	383.2	456.7	3 348.9
March	1 375.8	292.8	230.1	518.5	146.1	373.5	448.9	3 385.5
April	1 379.3	296.3	240.9	537.8	140.0	379.0	441.3	3 414.6
May	1 389.3	298.5	242.0	526.0	148.1	395.2	429.4	3 428.5
June	1 394.0	318.1	240.6	544.6	142.1	377.1	448.8	3 465.2
July	1 418.7	277.3	245.6	522.7	153.9	320.6	480.0	3 419.0
August	1 401.4	286.9	256.8	514.9	157.3	329.6	461.1	3 408.0
September	1 440.7	286.0	258.4	511.1	147.2	329.3	460.2	3 432.8
TREND ESTIMATES (\$ million)								
<b>2001</b>								
July	1 315.3	278.3	213.2	471.3	131.1	358.2	431.4	3 205.9
August	1 317.8	278.7	213.8	483.3	130.7	360.2	433.0	3 223.1
September	1 321.6	280.0	214.9	492.0	129.9	362.1	434.4	3 237.6
October	1 326.7	281.6	216.0	496.4	129.5	364.4	436.6	3 251.3
November	1 333.3	283.0	217.4	498.1	130.2	367.0	440.5	3 268.4
December	1 341.2	284.8	219.8	499.1	132.2	370.7	444.5	3 291.2
<b>2002</b>								
January	1 350.0	287.2	223.3	502.4	135.0	376.3	446.7	3 320.7
February	1 360.0	290.2	227.5	509.1	137.8	382.0	446.5	3 353.7
March	1 370.1	293.0	231.9	517.6	140.8	384.4	445.5	3 384.5
April	1 380.0	295.3	236.4	525.3	143.6	381.2	445.6	3 409.0
May	1 389.6	296.3	240.6	529.5	146.1	372.6	448.0	3 424.1
June	1 398.8	295.7	244.7	529.4	148.2	361.1	452.2	3 430.7
July	1 408.3	294.0	248.7	526.5	149.9	348.7	457.2	3 432.9
August	1 417.5	291.7	252.6	522.5	151.4	336.8	461.6	3 432.7
September	1 424.8	289.1	256.0	517.2	152.3	326.8	465.8	3 429.9

(a) See paragraph 5 of the Explanatory Notes.

## RETAIL TURNOVER, By Industry Group(a)—Queensland

Month	Food retailing	Department stores	Clothing and soft good retailing	Household good retailing	Recreational good retailing	Other retailing	Hospitality and services	Total
ORIGINAL (\$ million)								
<b>2001</b>								
July	998.0	178.6	157.9	330.8	105.2	246.0	435.4	2 451.9
August	1 036.1	162.4	151.5	342.1	110.0	253.1	444.0	2 499.2
September	1 001.8	170.6	165.7	327.5	102.8	240.9	436.3	2 445.5
October	1 044.8	189.0	180.0	358.3	111.7	257.0	419.7	2 560.6
November	1 038.8	219.1	174.5	394.3	114.1	274.0	418.4	2 633.0
December	1 146.7	374.4	246.0	472.8	160.9	383.0	457.8	3 241.6
<b>2002</b>								
January	1 080.9	178.0	179.3	395.3	120.8	245.1	414.4	2 613.8
February	963.4	134.8	128.5	343.6	105.9	227.4	365.7	2 269.3
March	1 090.9	167.4	145.6	364.4	113.6	250.5	408.8	2 541.1
April	1 026.2	168.1	151.1	363.8	114.1	243.5	412.5	2 479.3
May	1 089.1	188.3	165.4	394.3	116.1	263.7	428.4	2 645.1
June	1 022.9	183.9	157.5	403.2	113.2	253.4	421.4	2 555.5
July	1 077.7	181.3	160.5	417.7	109.9	252.9	460.8	2 660.9
August	1 095.1	183.0	162.8	422.2	122.5	246.8	472.9	2 705.4
September	1 048.6	186.3	177.2	424.5	124.0	245.5	463.7	2 669.9
SEASONALLY ADJUSTED (\$ million)								
<b>2001</b>								
July	1 023.3	189.6	161.7	340.2	113.7	254.5	445.2	2 528.2
August	1 025.3	180.9	158.7	342.5	114.2	250.5	437.7	2 509.9
September	1 025.5	175.0	160.9	342.3	106.7	250.6	441.8	2 502.7
October	1 038.1	194.3	168.4	357.3	110.4	256.1	411.2	2 535.8
November	1 039.2	193.6	168.7	375.3	106.3	259.0	400.5	2 542.6
December	1 046.2	198.5	175.1	376.4	111.2	269.2	390.9	2 567.5
<b>2002</b>								
January	1 045.4	192.8	173.2	380.1	117.4	257.6	409.8	2 576.4
February	1 046.2	190.0	160.9	381.2	120.3	266.4	411.1	2 576.2
March	1 063.4	196.1	171.2	381.8	120.9	277.0	414.3	2 624.7
April	1 059.5	195.4	166.1	399.2	126.3	262.7	435.4	2 644.6
May	1 075.5	201.7	168.7	406.8	127.2	267.7	439.0	2 686.5
June	1 073.1	201.2	167.0	420.3	125.9	265.9	435.7	2 689.0
July	1 092.8	192.6	162.8	423.3	117.9	260.2	472.9	2 722.5
August	1 083.7	197.6	171.1	424.5	125.1	244.6	461.9	2 708.3
September	1 083.8	199.3	171.7	443.8	129.7	258.7	474.8	2 761.8
TREND ESTIMATES (\$ million)								
<b>2001</b>								
July	1 021.0	184.5	160.5	336.7	113.0	253.4	440.2	2 510.3
August	1 025.5	184.7	162.1	343.3	111.0	252.5	435.5	2 515.3
September	1 030.2	186.2	164.1	351.0	109.6	253.4	427.2	2 522.0
October	1 034.7	188.5	166.6	359.1	109.2	255.7	416.9	2 530.7
November	1 038.8	191.0	168.8	366.7	110.0	258.8	407.9	2 542.0
December	1 043.0	193.0	170.1	373.2	112.2	262.3	403.2	2 556.7
<b>2002</b>								
January	1 047.2	194.5	170.2	378.7	115.6	265.3	403.7	2 575.2
February	1 052.1	195.3	169.4	384.2	119.4	267.6	409.2	2 597.2
March	1 058.0	195.8	168.1	390.1	122.3	268.6	418.0	2 620.9
April	1 064.7	196.5	167.1	397.3	123.9	267.8	428.5	2 645.7
May	1 071.5	197.4	166.8	406.1	124.5	265.5	438.6	2 670.1
June	1 077.5	198.0	167.2	415.1	124.6	262.4	448.3	2 692.6
July	1 082.2	198.2	167.8	423.5	124.8	259.1	457.5	2 713.0
August	1 085.9	198.1	168.7	430.9	125.2	255.9	465.8	2 732.3
September	1 087.8	197.8	169.1	437.0	125.7	253.1	472.5	2 748.2

(a) See paragraph 5 of the Explanatory Notes.



## RETAIL TURNOVER, By Industry Group(a)—South Australia

Month	Food retailing	Department stores	Clothing and soft good retailing	Household good retailing	Recreational good retailing	Other retailing	Hospitality and services	Total
ORIGINAL (\$ million)								
<b>2001</b>								
July	394.7	92.5	46.9	116.6	26.5	123.2	153.3	953.6
August	416.2	82.5	44.9	117.6	27.0	125.9	155.6	969.7
September	403.0	82.1	45.8	113.8	24.2	131.1	153.6	953.5
October	422.8	91.6	48.7	128.1	25.2	135.2	154.6	1 006.3
November	438.3	114.4	51.5	134.2	29.7	137.4	158.2	1 063.6
December	486.4	184.3	69.0	156.9	45.0	172.6	182.1	1 296.3
<b>2002</b>								
January	440.0	86.8	48.9	128.0	28.2	117.0	170.6	1 019.4
February	392.6	69.9	39.9	119.0	26.1	113.0	158.2	918.5
March	452.2	90.7	50.2	122.3	30.6	128.6	177.9	1 052.5
April	414.0	89.3	53.8	128.9	24.2	132.5	165.7	1 008.3
May	440.9	97.7	56.0	140.8	24.7	138.0	164.7	1 062.7
June	406.9	97.3	54.9	136.3	22.7	129.2	159.2	1 006.4
July	438.1	91.8	53.2	131.8	28.3	113.3	175.2	1 031.6
August	458.9	88.7	50.9	128.4	31.4	122.9	186.3	1 067.4
September	429.7	87.0	51.9	127.9	30.0	119.7	184.1	1 030.3
SEASONALLY ADJUSTED (\$ million)								
<b>2001</b>								
July	409.9	94.4	48.6	119.0	27.9	131.0	156.3	987.2
August	414.4	94.6	48.7	117.8	28.0	129.5	159.2	992.2
September	417.1	89.7	48.2	119.2	25.1	135.1	155.6	990.1
October	422.2	97.2	48.6	121.7	26.5	134.4	154.2	1 004.7
November	422.7	99.4	48.6	123.8	26.7	128.9	149.6	999.7
December	424.8	98.7	48.7	122.2	28.9	126.2	153.4	1 003.0
<b>2002</b>								
January	427.2	99.4	52.9	129.1	29.1	125.3	168.2	1 031.2
February	430.9	98.4	53.8	135.4	29.7	130.8	172.3	1 051.2
March	432.8	100.4	53.7	135.2	30.0	133.6	171.3	1 056.9
April	437.1	98.3	52.1	139.4	28.0	137.6	174.6	1 067.1
May	440.7	100.5	53.2	142.2	27.5	137.6	172.2	1 073.9
June	436.9	107.3	55.1	142.5	26.1	137.2	172.2	1 077.2
July	456.0	92.3	53.9	136.6	29.5	120.9	183.8	1 073.0
August	450.4	98.8	54.8	128.6	32.2	128.2	188.3	1 081.3
September	452.7	98.4	55.3	132.8	31.9	124.8	190.0	1 086.0
TREND ESTIMATES (\$ million)								
<b>2001</b>								
July	409.5	94.3	48.2	119.2	27.6	130.2	151.9	981.3
August	413.7	94.2	48.1	119.5	27.1	131.5	153.3	987.9
September	417.5	94.8	48.2	119.9	26.8	131.8	154.0	993.1
October	420.6	95.9	48.6	120.9	26.9	131.1	154.7	998.6
November	423.0	97.1	49.4	122.9	27.4	129.8	156.3	1 005.9
December	425.5	98.4	50.4	125.7	28.2	128.9	159.2	1 016.0
<b>2002</b>								
January	427.8	99.2	51.5	129.3	28.9	129.4	163.2	1 029.0
February	430.2	99.4	52.4	133.2	29.0	131.1	167.3	1 043.1
March	433.1	99.4	53.1	136.8	28.8	133.3	170.7	1 055.9
April	436.5	99.4	53.5	139.1	28.3	134.6	173.2	1 065.4
May	440.2	99.5	53.8	139.5	28.2	134.3	175.3	1 071.3
June	444.0	99.6	54.0	138.5	28.6	132.4	177.9	1 075.0
July	447.6	99.6	54.4	136.8	29.3	129.9	181.3	1 078.5
August	450.8	99.5	54.7	134.8	30.2	127.4	184.8	1 081.7
September	453.4	99.3	55.1	132.9	31.1	125.2	188.2	1 084.7

(a) See paragraph 5 of the Explanatory Notes.

Month	Food retailing	Department stores	Clothing and soft good retailing	Household good retailing	Recreational good retailing	Other retailing	Hospitality and services	Total
ORIGINAL (\$ million)								
<b>2001</b>								
July	526.8	103.6	68.0	190.0	62.6	122.8	133.7	1 207.4
August	552.9	94.5	69.9	191.0	67.9	132.7	135.6	1 244.7
September	534.7	96.4	65.5	182.4	62.2	139.9	136.0	1 217.2
October	566.4	108.4	77.9	201.5	61.0	158.6	149.9	1 323.8
November	577.1	140.1	87.0	205.7	65.9	163.6	152.5	1 391.9
December	654.9	211.8	112.8	245.5	90.9	202.3	175.3	1 693.6
<b>2002</b>								
January	599.8	95.7	74.2	202.6	65.7	138.7	170.5	1 347.1
February	547.4	83.3	63.1	172.8	61.8	129.5	153.7	1 211.5
March	608.0	100.3	69.1	185.3	68.7	135.5	167.2	1 334.0
April	566.7	104.2	79.3	177.4	66.6	129.7	163.1	1 287.2
May	596.5	112.7	85.8	193.3	66.5	142.0	166.1	1 363.0
June	558.8	105.7	79.3	194.1	63.9	131.7	155.6	1 289.1
July	579.3	104.4	82.5	168.1	71.1	128.4	173.7	1 307.5
August	604.1	104.8	83.8	179.1	73.8	130.9	184.7	1 361.2
September	568.1	100.3	78.4	170.3	64.6	124.2	179.2	1 285.2
SEASONALLY ADJUSTED (\$ million)								
<b>2001</b>								
July	551.8	111.5	71.7	198.2	65.6	136.3	136.9	1 271.9
August	548.9	108.4	75.9	197.9	66.2	137.4	137.4	1 272.0
September	560.4	108.7	73.3	188.2	66.7	144.8	140.7	1 282.9
October	561.4	109.0	76.0	195.9	60.2	147.9	142.4	1 292.8
November	565.5	124.6	78.6	194.2	65.3	148.5	145.3	1 321.9
December	572.3	110.9	80.4	190.8	66.9	145.3	152.5	1 319.0
<b>2002</b>								
January	591.5	112.7	79.1	202.8	67.2	143.9	170.5	1 367.7
February	584.9	112.9	77.1	190.9	68.1	143.7	163.5	1 340.9
March	587.0	113.0	76.8	197.0	73.0	142.8	163.5	1 353.2
April	586.4	114.4	81.7	192.5	69.4	142.5	169.2	1 356.1
May	597.1	112.9	78.8	198.5	69.5	148.0	173.1	1 377.9
June	598.4	118.4	83.0	196.6	69.3	148.3	170.1	1 384.1
July	601.5	109.8	85.1	177.7	70.7	138.4	181.4	1 364.6
August	598.6	114.9	89.6	182.2	72.7	135.2	181.8	1 375.1
September	605.5	117.9	88.4	180.5	69.5	129.2	185.3	1 376.3
TREND ESTIMATES (\$ million)								
<b>2001</b>								
July	548.3	110.1	72.8	193.2	64.0	137.1	136.2	1 260.0
August	552.2	109.9	73.7	195.8	64.5	139.9	137.7	1 271.6
September	557.0	109.8	75.1	196.9	64.7	142.9	140.4	1 285.5
October	562.7	110.0	76.5	196.9	64.8	145.3	144.0	1 301.1
November	568.2	110.6	77.6	196.1	65.2	146.4	148.0	1 316.1
December	572.8	111.4	78.3	195.2	66.2	146.0	151.9	1 329.1
<b>2002</b>								
January	(b) 583.2	112.3	78.5	195.3	67.5	145.2	(b) 162.6	1 341.1
February	586.4	112.9	78.5	195.9	68.8	144.6	165.2	1 351.1
March	589.0	113.2	78.7	196.1	69.7	144.7	167.1	1 358.7
April	591.5	113.5	79.5	195.2	70.1	144.8	169.0	1 364.2
May	594.1	113.7	81.1	193.0	70.3	144.3	171.5	1 368.4
June	596.9	114.1	83.1	189.9	70.4	142.6	174.7	1 371.8
July	599.7	114.7	85.2	186.6	70.5	140.0	178.1	1 374.7
August	602.1	115.3	87.1	183.5	70.7	137.0	181.4	1 377.2
September	604.0	115.9	88.7	180.3	70.6	134.0	184.1	1 378.1

(a) See paragraph 5 of the Explanatory Notes.

(b) Possible break in series. See paragraph 27 of the Explanatory Notes.

Month	Food retailing	Department stores	Clothing and soft good retailing	Household good retailing	Recreational good retailing	Other retailing	Hospitality and services	Total
ORIGINAL (\$ million)								
<b>2001</b>								
July	113.5	np	14.3	37.3	13.6	np	27.5	252.5
August	121.0	np	14.3	40.0	14.3	np	27.2	262.9
September	115.6	np	14.2	38.5	13.8	np	28.4	255.7
October	117.5	np	16.6	42.3	14.9	np	29.4	273.5
November	119.6	np	20.1	45.5	17.2	np	31.4	293.3
December	132.7	np	26.3	56.5	24.9	np	34.1	359.1
<b>2002</b>								
January	126.0	np	17.7	42.8	16.9	np	31.7	285.6
February	114.4	np	16.7	38.4	16.6	np	29.4	259.6
March	127.5	np	18.2	42.1	16.6	np	31.6	289.1
April	119.3	np	18.9	43.4	14.6	np	28.8	277.2
May	124.5	np	20.7	45.9	15.3	np	29.4	292.4
June	116.6	np	18.4	46.9	14.4	np	27.4	275.0
July	115.1	np	14.8	44.3	14.3	np	28.7	272.2
August	119.4	np	15.3	47.0	14.8	np	29.5	281.0
September	112.7	np	14.3	44.7	13.7	np	29.8	269.7
SEASONALLY ADJUSTED (\$ million)								
<b>2001</b>								
July	119.8	np	15.6	40.4	15.7	np	30.1	271.0
August	121.4	np	16.3	40.6	15.7	np	29.8	272.0
September	121.2	np	16.3	40.0	15.8	np	31.5	273.3
October	117.9	np	18.1	40.7	15.5	np	30.1	276.5
November	117.2	np	18.2	42.4	16.2	np	29.8	277.1
December	117.7	np	18.3	43.1	16.4	np	29.3	278.9
<b>2002</b>								
January	122.5	np	18.7	44.7	15.9	np	29.1	287.3
February	120.6	np	19.1	43.9	16.7	np	29.7	283.1
March	120.4	np	19.0	44.6	17.2	np	28.3	284.9
April	124.8	np	18.4	45.5	15.7	np	28.8	289.3
May	123.4	np	19.4	46.8	16.3	np	29.8	293.2
June	123.7	np	19.0	47.5	16.4	np	31.0	294.4
July	121.2	np	16.1	47.3	16.0	np	32.2	291.3
August	120.0	np	17.5	48.2	16.3	np	32.4	291.8
September	118.6	np	16.5	47.7	15.6	np	32.7	289.9
TREND ESTIMATES (\$ million)								
<b>2001</b>								
July	120.5	np	16.2	40.3	15.3	np	31.3	272.5
August	120.1	np	16.5	40.3	15.5	np	30.8	272.6
September	119.6	np	16.9	40.7	15.7	np	30.4	273.7
October	119.1	np	17.4	41.3	15.9	np	30.0	275.6
November	118.9	np	18.0	42.1	16.1	np	29.8	277.9
December	119.1	np	18.4	42.9	16.2	np	29.5	280.2
<b>2002</b>								
January	119.9	np	18.8	43.7	16.4	np	29.1	282.6
February	121.1	np	19.0	44.4	16.5	np	28.9	285.0
March	122.3	np	19.0	45.1	16.5	np	29.0	287.4
April	122.9	np	18.9	45.8	16.4	np	29.4	289.5
May	122.9	np	18.6	46.4	16.3	np	30.0	290.9
June	122.4	np	18.1	47.0	16.2	np	30.8	291.8
July	121.7	np	17.6	47.5	16.1	np	31.6	292.3
August	120.8	np	17.2	47.9	16.0	np	32.2	292.3
September	119.9	np	16.8	48.1	15.9	np	32.9	292.0

np not available for publication but included in totals where applicable, unless otherwise indicated

(a) See paragraph 5 of the Explanatory Notes.

Month	Food retailing	Department stores	Clothing and soft good retailing	Household good retailing	Recreational good retailing	Other retailing	Hospitality and services	Total
ORIGINAL (\$ million)								
<b>2001</b>								
July	66.2	np	8.4	16.9	4.9	np	29.0	147.4
August	68.7	np	8.5	18.8	4.9	np	29.7	153.4
September	63.9	np	8.1	16.3	4.7	np	25.6	139.6
October	67.1	np	8.2	19.6	4.7	np	25.9	147.4
November	65.3	np	8.1	19.1	4.5	np	27.0	146.4
December	64.9	np	10.1	21.8	5.4	np	24.4	154.9
<b>2002</b>								
January	61.3	np	6.8	17.8	4.9	np	21.5	131.4
February	56.9	np	5.8	16.2	4.7	np	19.4	120.7
March	65.8	np	6.1	17.5	5.2	np	22.9	137.0
April	65.3	np	6.4	18.2	4.9	np	22.7	139.3
May	71.5	np	7.6	18.7	5.2	np	25.1	150.9
June	70.3	np	7.6	19.3	5.2	np	25.1	151.3
July	76.4	np	8.6	16.2	5.8	np	27.7	161.7
August	77.8	np	8.5	17.8	6.2	np	27.4	164.9
September	72.2	np	7.9	17.0	5.5	np	25.2	152.5
SEASONALLY ADJUSTED (\$ million)								
<b>2001</b>								
July	62.2	np	7.6	17.6	4.8	np	25.6	138.8
August	62.6	np	7.8	18.2	4.5	np	25.7	139.5
September	62.5	np	7.8	16.6	4.6	np	25.0	137.4
October	65.2	np	7.7	18.5	4.6	np	24.4	141.2
November	66.8	np	7.7	18.6	4.7	np	25.5	144.3
December	63.5	np	7.5	18.9	4.8	np	24.5	139.5
<b>2002</b>								
January	66.9	np	7.7	19.1	5.3	np	25.0	146.0
February	65.8	np	7.7	18.3	5.4	np	24.6	144.3
March	67.3	np	7.4	18.6	5.3	np	24.6	145.6
April	68.1	np	7.3	18.7	5.3	np	24.1	147.8
May	69.4	np	8.0	18.2	5.2	np	24.4	149.1
June	68.8	np	7.7	19.0	5.1	np	24.5	150.3
July	70.8	np	7.8	16.5	5.7	np	24.5	150.4
August	70.6	np	7.7	17.7	5.6	np	24.0	149.7
September	71.6	np	7.8	17.6	5.7	np	24.7	152.1
TREND ESTIMATES (\$ million)								
<b>2001</b>								
July	62.5	np	7.8	17.4	4.6	np	24.9	137.9
August	62.8	np	7.8	17.7	4.6	np	25.1	138.8
September	63.5	np	7.7	18.0	4.6	np	25.2	139.8
October	64.2	np	7.7	18.2	4.6	np	25.1	140.7
November	64.9	np	7.7	18.4	4.8	np	25.0	141.7
December	65.5	np	7.6	18.6	4.9	np	24.8	142.7
<b>2002</b>								
January	66.0	np	7.6	18.8	5.1	np	24.7	143.8
February	66.6	np	7.6	18.8	5.2	np	24.6	145.1
March	67.2	np	7.6	18.7	5.3	np	24.5	146.3
April	68.0	np	7.6	18.5	5.3	np	24.4	147.5
May	68.8	np	7.6	18.3	5.3	np	24.4	148.6
June	69.6	np	7.7	18.0	5.4	np	24.4	149.5
July	70.2	np	7.7	17.8	5.5	np	24.4	150.3
August	70.9	np	7.8	17.6	5.6	np	24.4	151.1
September	71.3	np	7.8	17.4	5.6	np	24.4	151.7

np not available for publication but included in totals where applicable, unless otherwise indicated

(a) See paragraph 5 of the Explanatory Notes.

## RETAIL TURNOVER, By Industry Group(a)—Australian Capital Territory

Month	Food retailing	Department stores	Clothing and soft good retailing	Household good retailing	Recreational good retailing	Other retailing	Hospitality and services	Total
ORIGINAL (\$ million)								
<b>2001</b>								
July	104.1	27.1	17.8	43.1	13.9	28.9	43.3	278.3
August	108.9	21.8	16.6	42.8	12.1	30.8	42.7	275.7
September	107.5	22.9	16.6	42.9	12.0	30.1	42.8	274.7
October	114.2	25.8	18.0	44.5	11.8	28.1	44.5	286.9
November	117.4	29.9	18.8	46.4	13.2	30.3	45.1	301.0
December	128.2	53.1	26.8	55.1	19.3	43.9	46.0	372.4
<b>2002</b>								
January	113.1	23.5	18.6	44.1	11.8	25.6	41.3	277.9
February	106.2	20.2	17.6	37.7	13.0	23.8	40.8	259.3
March	116.3	24.4	17.8	43.6	12.5	27.5	45.6	287.8
April	110.3	26.2	20.0	43.4	12.7	25.8	44.8	283.1
May	117.2	28.2	21.9	45.0	13.3	26.1	45.7	297.4
June	111.7	27.3	20.1	45.0	12.4	23.3	46.2	286.0
July	110.8	24.4	18.3	40.6	14.1	23.8	53.7	285.6
August	116.7	24.1	18.1	43.9	14.4	25.3	55.9	298.4
September	111.6	24.0	17.1	41.3	12.7	27.4	53.3	287.3
SEASONALLY ADJUSTED (\$ million)								
<b>2001</b>								
July	105.5	27.4	17.7	43.3	13.8	30.2	42.4	280.3
August	107.7	26.7	18.4	43.6	12.6	30.3	43.3	282.7
September	110.1	26.1	18.3	45.3	12.7	30.0	42.9	285.4
October	113.9	27.2	18.6	43.7	12.5	26.8	43.5	286.4
November	114.0	27.3	19.2	43.8	12.5	28.7	43.9	289.2
December	113.5	27.0	18.5	42.3	13.0	29.2	43.4	286.9
<b>2002</b>								
January	114.0	27.2	20.1	43.7	13.7	29.2	44.3	292.2
February	114.0	28.0	21.7	42.5	15.0	28.6	45.6	295.3
March	114.5	27.3	19.4	45.6	12.7	29.2	44.9	293.6
April	116.0	27.3	19.1	47.7	13.6	28.3	43.4	295.5
May	115.6	28.2	20.0	46.4	13.7	27.1	45.5	296.3
June	117.2	31.3	19.8	47.0	12.7	26.4	46.8	301.2
July	112.9	24.6	18.1	40.7	13.8	24.6	52.5	287.3
August	114.8	28.1	20.1	45.5	14.7	24.7	55.0	302.8
September	115.8	28.5	19.6	43.9	13.9	27.1	54.6	303.4
TREND ESTIMATES (\$ million)								
<b>2001</b>								
July	105.3	26.9	18.1	42.4	13.1	30.0	43.8	279.4
August	107.8	26.8	18.2	43.5	12.9	29.5	43.6	282.1
September	110.2	26.8	18.4	44.0	12.8	29.1	43.4	284.6
October	112.2	26.9	18.7	43.9	12.7	28.8	43.4	286.7
November	113.4	27.0	19.0	43.6	12.9	28.7	43.6	288.4
December	114.0	27.1	19.3	43.4	13.2	28.8	44.0	289.9
<b>2002</b>								
January	114.3	27.3	19.6	43.7	13.5	28.9	44.2	291.7
February	114.7	27.5	19.8	44.4	13.6	28.9	44.2	293.3
March	115.0	27.6	19.8	45.2	13.6	28.6	44.4	294.5
April	115.2	27.7	19.7	45.7	13.5	27.9	45.1	295.3
May	115.4	27.8	19.5	45.7	13.5	27.1	46.6	295.9
June	115.3	27.9	19.4	45.4	13.5	26.4	48.5	296.6
July	115.2	28.0	19.4	44.8	13.7	25.9	50.7	297.7
August	115.1	28.1	19.4	44.3	13.9	25.5	52.8	299.0
September	115.0	28.2	19.5	43.7	14.2	25.3	54.7	300.6

(a) See paragraph 5 of the Explanatory Notes.

QUARTERLY TURNOVER, Chain Volume Measures(a)—by Industry Group(b)

	Food retailing	Department stores	Clothing and soft good retailing	Household good retailing	Recreational good retailing	Other retailing	Hospitality and services	Total
ORIGINAL (\$ million)								
<b>2000</b>								
September	14 994.8	2 868.6	2 149.8	4 635.0	1 620.7	3 719.0	6 099.9	36 083.7
December	16 192.1	4 427.4	2 809.3	5 433.4	1 934.0	4 777.5	6 583.8	42 177.2
<b>2001</b>								
March	15 117.7	2 757.4	2 203.8	4 654.3	1 638.8	3 844.9	6 202.2	36 404.1
June	15 037.3	3 086.0	2 455.4	4 913.6	1 526.5	4 056.6	6 144.6	37 219.3
September	15 266.9	3 009.0	2 354.9	5 223.8	1 587.5	4 244.4	6 496.0	38 182.7
December	16 496.9	4 606.6	2 985.2	6 231.1	1 898.8	5 301.4	6 730.1	44 250.2
<b>2002</b>								
March	15 723.2	2 820.0	2 370.6	5 420.8	1 634.8	4 086.1	6 212.2	38 267.8
June	15 534.3	3 278.2	2 623.3	5 881.4	1 620.7	4 294.1	6 333.7	39 565.8
September	15 890.3	3 087.2	2 618.8	6 043.8	1 747.9	4 012.1	6 868.2	40 268.4
SEASONALLY ADJUSTED (\$ million)								
<b>2000</b>								
September	15 295.7	3 140.1	2 265.3	4 745.1	1 682.2	3 858.7	6 162.7	37 176.6
December	15 315.2	3 305.1	2 416.8	4 844.3	1 661.7	4 060.5	6 174.2	37 762.5
<b>2001</b>								
March	15 307.4	3 376.9	2 452.5	4 878.2	1 720.9	4 211.9	6 328.1	38 276.9
June	15 423.5	3 317.4	2 483.7	5 168.7	1 655.2	4 266.9	6 365.6	38 668.3
September	15 589.8	3 320.7	2 492.1	5 332.0	1 652.6	4 402.6	6 546.0	39 335.8
December	15 608.8	3 415.0	2 555.2	5 549.4	1 624.8	4 505.2	6 313.9	39 572.3
<b>2002</b>								
March	15 831.0	3 423.9	2 655.1	5 720.0	1 716.1	4 496.1	6 342.7	40 184.9
June	15 991.8	3 554.2	2 631.7	6 155.4	1 748.4	4 522.3	6 569.6	41 173.4
September	16 244.7	3 391.9	2 757.8	6 165.0	1 804.2	4 177.8	6 911.5	41 452.9
TREND ESTIMATES (\$ million)								
<b>2000</b>								
September	15 236.8	3 370.0	2 380.8	4 774.9	1 694.6	3 931.3	6 138.7	37 554.1
December	15 306.2	3 349.3	2 397.9	4 847.4	1 684.4	4 053.6	6 184.1	37 833.0
<b>2001</b>								
March	15 354.5	3 329.4	2 438.6	4 953.7	1 682.3	4 177.2	6 305.9	38 233.8
June	15 424.5	3 331.5	2 477.1	5 120.8	1 667.3	4 301.4	6 409.1	38 723.2
September	15 536.7	3 344.0	2 511.6	5 324.3	1 646.8	4 400.2	6 420.5	39 181.4
December	15 660.5	3 396.0	2 560.4	5 552.2	1 652.6	4 495.9	6 372.6	39 689.4
<b>2002</b>								
March	15 819.4	3 455.0	2 618.9	5 792.2	1 699.1	4 502.2	6 419.6	40 301.6
June	16 011.0	3 473.0	2 676.4	6 030.4	1 751.8	4 421.9	6 584.5	40 946.4
September	16 201.8	3 457.4	2 723.1	6 233.7	1 793.1	4 292.5	6 813.3	41 562.0

(a) Reference year for chain volume measures is 2000–01. See paragraph 28 of the Explanatory Notes.

(b) See paragraph 5 of the Explanatory Notes.

	Food retailing	Department stores	Clothing and soft good retailing	Household good retailing	Recreational good retailing	Other retailing	Hospitality and services	Total
ORIGINAL (% change from preceding quarter)								
<b>2000</b>								
September	1.9	-15.1	-17.8	-3.3	1.9	-0.2	3.3	-1.8
December	8.0	54.3	30.7	17.2	19.3	28.5	7.9	16.9
<b>2001</b>								
March	-6.6	-37.7	-21.6	-14.3	-15.3	-19.5	-5.8	-13.7
June	-0.5	11.9	11.4	5.6	-6.9	5.5	-0.9	2.2
September	1.5	-2.5	-4.1	6.3	4.0	4.6	5.7	2.6
December	8.1	53.1	26.8	19.3	19.6	24.9	3.6	15.9
<b>2002</b>								
March	-4.7	-38.8	-20.6	-13.0	-13.9	-22.9	-7.7	-13.5
June	-1.2	16.2	10.7	8.5	-0.9	5.1	2.0	3.4
September	2.3	-5.8	-0.2	2.8	7.8	-6.6	8.4	1.8
SEASONALLY ADJUSTED (% change from preceding quarter)								
<b>2000</b>								
September	0.8	-14.0	-14.8	-5.8	-3.3	-2.5	0.3	-3.1
December	0.1	5.3	6.7	2.1	-1.2	5.2	0.2	1.6
<b>2001</b>								
March	-0.1	2.2	1.5	0.7	3.6	3.7	2.5	1.4
June	0.8	-1.8	1.3	6.0	-3.8	1.3	0.6	1.0
September	1.1	0.1	0.3	3.2	-0.2	3.2	2.8	1.7
December	0.1	2.8	2.5	4.1	-1.7	2.3	-3.5	0.6
<b>2002</b>								
March	1.4	0.3	3.9	3.1	5.6	-0.2	0.5	1.5
June	1.0	3.8	-0.9	7.6	1.9	0.6	3.6	2.5
September	1.6	-4.6	4.8	0.2	3.2	-7.6	5.2	0.7
TREND ESTIMATES (% change from preceding quarter)								
<b>2000</b>								
September	0.3	-0.6	-1.6	1.5	-1.5	2.3	-0.6	0.2
December	0.5	-0.6	0.7	1.5	-0.6	3.1	0.7	0.7
<b>2001</b>								
March	0.3	-0.6	1.7	2.2	-0.1	3.0	2.0	1.1
June	0.5	0.1	1.6	3.4	-0.9	3.0	1.6	1.3
September	0.7	0.4	1.4	4.0	-1.2	2.3	0.2	1.2
December	0.8	1.6	1.9	4.3	0.4	2.2	-0.7	1.3
<b>2002</b>								
March	1.0	1.7	2.3	4.3	2.8	0.1	0.7	1.5
June	1.2	0.5	2.2	4.1	3.1	-1.8	2.6	1.6
September	1.2	-0.4	1.7	3.4	2.4	-2.9	3.5	1.5

(a) Reference year for chain volume measures is 2000-01. See paragraph 28 of the Explanatory Notes.

(b) See paragraph 5 of the Explanatory Notes.

## QUARTERLY TURNOVER, Chain Volume Measures(a)—by State

Quarter	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
ORIGINAL (\$ million)									
<b>2000</b>									
September	12 759.6	8 288.8	6 989.7	2 581.0	3 562.5	737.7	432.0	733.4	36 083.7
December	14 736.3	10 053.4	8 012.7	3 112.1	4 060.7	897.2	426.6	877.5	42 177.2
<b>2001</b>									
March	12 743.5	8 670.0	6 977.3	2 615.7	3 496.4	791.4	361.4	748.2	36 404.1
June	13 004.8	8 959.7	7 061.4	2 722.5	3 505.0	784.5	397.9	783.5	37 219.3
September	13 327.7	9 141.4	7 264.5	2 826.6	3 610.3	761.6	433.6	817.0	38 182.7
December	15 387.5	10 769.0	8 228.6	3 284.1	4 295.2	911.0	438.8	935.8	44 250.2
<b>2002</b>									
March	13 151.4	9 268.1	7 187.1	2 901.5	3 765.0	813.3	379.2	802.3	38 267.8
June	13 619.7	9 621.9	7 426.6	2 983.0	3 824.8	820.7	428.8	840.3	39 565.8
September	14 055.1	9 532.2	7 755.7	3 018.3	3 803.4	798.8	464.8	840.1	40 268.4
SEASONALLY ADJUSTED (\$ million)									
<b>2000</b>									
September	13 147.8	8 605.2	7 107.4	2 665.9	3 692.5	780.6	406.5	747.2	37 176.6
December	13 214.9	8 918.4	7 247.0	2 766.4	3 627.2	802.9	403.5	786.5	37 762.5
<b>2001</b>									
March	13 388.3	9 138.1	7 327.9	2 760.7	3 640.3	816.0	404.7	800.1	38 276.9
June	13 493.1	9 310.3	7 358.8	2 838.3	3 664.5	811.3	403.1	808.7	38 668.3
September	13 716.3	9 496.1	7 400.5	2 914.1	3 761.0	805.2	408.4	834.2	39 335.8
December	13 782.8	9 540.7	7 429.2	2 927.3	3 822.2	816.5	414.3	839.3	39 572.3
<b>2002</b>									
March	13 823.0	9 762.8	7 526.4	3 040.6	3 919.2	833.3	423.6	856.0	40 184.9
June	14 164.1	10 000.8	7 750.7	3 113.1	3 992.9	851.6	434.1	866.0	41 173.4
September	14 447.6	9 888.3	7 902.7	3 119.3	3 952.3	846.3	437.5	858.8	41 452.9
TREND ESTIMATES (\$ million)									
<b>2000</b>									
September	13 178.0	8 804.7	7 160.4	2 725.6	3 713.6	787.9	408.2	769.3	37 554.1
December	13 269.4	8 912.9	7 244.6	2 747.6	3 663.1	802.6	405.1	784.1	37 833.0
<b>2001</b>									
March	13 373.3	9 113.3	7 315.8	2 784.2	3 638.8	811.0	403.3	798.6	38 233.8
June	13 523.4	9 312.0	7 361.3	2 834.0	3 673.1	810.7	404.3	814.0	38 723.2
September	13 660.4	9 453.6	7 388.2	2 891.1	3 747.1	810.0	408.0	828.4	39 181.4
December	13 764.6	9 609.6	7 442.2	2 960.9	3 836.5	818.1	415.0	843.6	39 689.4
<b>2002</b>									
March	13 922.5	9 765.9	7 564.2	3 028.9	3 911.6	833.0	423.8	854.4	40 301.6
June	14 141.4	9 893.9	7 723.8	3 091.3	3 960.0	844.9	431.9	860.8	40 946.4
September	14 379.9	9 978.5	7 891.2	3 139.6	3 986.5	849.9	439.0	864.6	41 562.0

(a) Reference year for chain volume measures is 2000-01. See paragraph 28 of the Explanatory Notes.



Quarter	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	Australia
ORIGINAL (% change from preceding quarter)									
<b>2000</b>									
September	-1.0	-5.0	1.5	-2.2	-2.9	-1.8	4.9	-4.5	-1.8
December	15.5	21.3	14.6	20.6	14.0	21.6	-1.3	19.7	16.9
<b>2001</b>									
March	-13.5	-13.8	-12.9	-15.9	-13.9	-11.8	-15.3	-14.7	-13.7
June	2.1	3.3	1.2	4.1	0.2	-0.9	10.1	4.7	2.2
September	2.5	2.0	2.9	3.8	3.0	-2.9	9.0	4.3	2.6
December	15.5	17.8	13.3	16.2	19.0	19.6	1.2	14.6	15.9
<b>2002</b>									
March	-14.5	-13.9	-12.7	-11.7	-12.3	-10.7	-13.6	-14.3	-13.5
June	3.6	3.8	3.3	2.8	1.6	0.9	13.1	4.7	3.4
September	3.2	-0.9	4.4	1.2	-0.6	-2.7	8.4	0.0	1.8
SEASONALLY ADJUSTED (% change from preceding quarter)									
<b>2000</b>									
September	-2.2	-5.6	-1.4	-3.5	-4.1	-0.2	-3.0	-6.1	-3.1
December	0.5	3.6	2.0	3.8	-1.8	2.9	-0.7	5.2	1.6
<b>2001</b>									
March	1.3	2.5	1.1	-0.2	0.4	1.6	0.3	1.7	1.4
June	0.8	1.9	0.4	2.8	0.7	-0.6	-0.4	1.1	1.0
September	1.7	2.0	0.6	2.7	2.6	-0.7	1.3	3.2	1.7
December	0.5	0.5	0.4	0.5	1.6	1.4	1.5	0.6	0.6
<b>2002</b>									
March	0.3	2.3	1.3	3.9	2.5	2.0	2.2	2.0	1.5
June	2.5	2.4	3.0	2.4	1.9	2.2	2.5	1.2	2.5
September	2.0	-1.1	2.0	0.2	-1.0	-0.6	0.8	-0.8	0.7
TREND ESTIMATES (% change from preceding quarter)									
<b>2000</b>									
September	0.5	-0.5	0.8	0.4	-0.9	1.0	-0.6	2.3	0.2
December	0.7	1.2	1.2	0.8	-1.4	1.9	-0.8	1.9	0.7
<b>2001</b>									
March	0.8	2.2	1.0	1.3	-0.7	1.0	-0.5	1.9	1.1
June	1.1	2.2	0.6	1.8	0.9	0.0	0.3	1.9	1.3
September	1.0	1.5	0.4	2.0	2.0	-0.1	0.9	1.8	1.2
December	0.8	1.7	0.7	2.4	2.4	1.0	1.7	1.8	1.3
<b>2002</b>									
March	1.1	1.6	1.6	2.3	2.0	1.8	2.1	1.3	1.5
June	1.6	1.3	2.1	2.1	1.2	1.4	1.9	0.8	1.6
September	1.7	0.9	2.2	1.6	0.7	0.6	1.6	0.4	1.5

(a) Reference year for chain volume measures is 2000-01. See paragraph 28 of the Explanatory Notes.

## EXPLANATORY NOTES

### INTRODUCTION

**1** This publication presents monthly estimates of the value of turnover of retail businesses classified by industry, and by state/territory. The principal objective of the series is to show month to month movement of turnover.

**2** Estimates of turnover contained in this publication are compiled from the Retail Business survey which includes about 6,500 retail and selected service businesses. All 'large' businesses are included in the survey, while a sample of about 4,100 'smaller' businesses is selected. The 'large' business' contribution of approximately 55% of the total estimate ensures a highly reliable Australian total turnover estimate.

### SCOPE AND COVERAGE

**3** The scope of the Retail Business survey is all employing businesses with at least one retail outlet. Like most ABS economic surveys, the frame used for the Retail Business survey is taken from the ABS Business Register which includes registrations to the Australian Taxation Office's (ATO) Pay As You Go Withholding (PAYGW) scheme. Each statistical unit (as defined below) included on the ABS Business Register is classified to the Australian and New Zealand Standard Industrial Classification (ANZSIC) industry in which it mainly operates. The frame is supplemented with information about business which are classified as non-retail but which have significant retail activity.

**4** The frame is updated quarterly to take account of new businesses, businesses which have ceased employing, changes in employment levels, changes in industry and other general business changes. The estimates include an allowance for the time it takes a newly registered business to get on to the survey frame. Businesses which have ceased employing are identified when the ATO cancels their Australian Business Number (ABN) and/or PAYGW registration. In addition, businesses with less than 50 employees which did not remit under the PAYGW scheme in each of the previous five quarters are removed from the frame.

**5** The following industries included in the survey are as defined in ANZSIC:

- Food Retailing
  - Supermarkets and grocery stores (5110) and non-petrol sales of selected convenience stores of petrol stations
  - Takeaway food retailing (5125)
  - Other food retailing
    - Fresh meat, fish and poultry retailing (5121)
    - Fruit and vegetable retailing (5122)
    - Liquor retailing (5123)
    - Bread and cake retailing (5124)
    - Specialised food retailing n.e.c. (5129)
- Department Stores (5210)
- Clothing and Soft Good Retailing
  - Clothing retailing (5221)
  - Footwear, fabric and other soft good retailing
    - Footwear retailing (5222)
    - Fabric and other soft good retailing (5223)
- Household Good Retailing
  - Furniture and floor covering retailing
    - Furniture retailing (5231)
    - Floor covering retailing (5232)
  - Domestic hardware and houseware retailing (5233)
  - Domestic appliance and recorded music retailing
    - Domestic appliance retailing (5234)
    - Recorded music retailing (5235)

## EXPLANATORY NOTES *continued*

### SCOPE AND COVERAGE

*continued*

- Recreational Good Retailing
  - Newspaper, book and stationery retailing (5243)
  - Other recreational goods retailing
    - Sport and camping equipment retailing (5241)
    - Toy and game retailing (5242)
    - Photographic equipment retailing (5244)
- Other Retailing
  - Pharmaceutical, cosmetic and toiletry retailing (5251)
  - Other retailing n.e.c.
    - Antique and used good retailing (5252)
    - Garden supplies retailing (5253)
    - Flower retailing (5254)
    - Watch and jewellery retailing (5255)
    - Retailing n.e.c. (5259)
- Hospitality and Services
  - Hotels and licensed clubs
    - Pubs, taverns and bars (5720)
    - Clubs (Hospitality) (5740)
  - Cafes and restaurants (5730)
  - Selected services
    - Video hire outlets (9511)
    - Hairdressing and beauty salons (9526).

### STATISTICAL UNITS DEFINED ON THE ABS BUSINESS REGISTER

**6** The ABS uses an economic statistics units model on the ABS Business Register to describe the characteristics of businesses, and the structural relationships between related businesses. The units model is also used to break groups of related businesses into relatively homogeneous components that can provide data to the ABS.

**7** In mid 2002, to better use the information available as a result of The New Tax System, the ABS changed its economic statistics units model. The new units model allocates businesses to one of two sub-populations. The vast majority of businesses are in what is called the ATO Maintained Population, while the remaining businesses are in the ABS Maintained Population. Together, these two sub-populations make up the ABS Business Register population.

#### *ATO Maintained Population*

**8** Most businesses and organisations in Australia need to obtain an ABN, and are then included on the ATO Australian Business Register. Most of these businesses have simple structures; therefore the unit registered for an ABN will satisfy ABS statistical requirements. For these businesses, the ABS has aligned its statistical units structure with the ABN unit. The businesses with simple structures constitute the ATO Maintained Population, and the ABN unit is used as the statistical unit for all economic collections.

#### *ABS Maintained Population*

**9** For the population of businesses where the ABN unit is not suitable for ABS statistical requirements, the ABS maintains its own units structure through direct contact with each business. These businesses constitute the ABS Maintained Population. This population consists typically of large, complex and diverse businesses. The new statistical units model described below has been introduced to cover such businesses.

## EXPLANATORY NOTES *continued*

### ABS Maintained Population *continued*

Enterprise Group: This is a unit covering all the operations in Australia of one or more legal entities under common ownership and/or control. It covers all the operations in Australia of legal entities which are related in terms of the current Corporations Law (as amended by the Corporations Legislation Amendment Act 1991), including legal entities such as companies, trusts, and partnerships. Majority ownership is not required for control to be exercised.

Enterprise: The enterprise is an institutional unit comprising (i) a single legal entity or business entity, or (ii) more than one legal entity or business entity within the same Enterprise Group and in the same institutional sub-sector (ie they are all classified to a single Standard Institutional Sector Classification of Australia sub-sector).

Type of Activity Unit (TAU): The TAU is comprised of one or more business entities, sub-entities or branches of a business entity within an Enterprise Group that can report production and employment data for similar economic activities. When a minimum set of data items are available, a TAU is created which covers all the operations within an industry sub-division (and the TAU is classified to the relevant sub-division of the ANZSIC). Where a business cannot supply adequate data for each industry, a TAU is formed which contains activity in more than one industry sub-division.

**10** For more information on the impacts of the introduction of the new economic statistics units model, refer to *Information Paper: Improvements in ABS Economic Statistics [Arising from the New Tax System]* (cat. no. 1372.0).

**11** Prior to the July 2002 reference month, the Retail Business survey used the management unit as the statistical unit. From the July 2002 reference month onwards, the statistical unit is the ABN unit for businesses with simple structures, and the TAU for businesses with complex structures. In most cases, ABN/TAU units concord with the management units previously used.

### SURVEY METHODOLOGY

**12** The survey is conducted monthly by both telephone interview and a questionnaire mailed to businesses. The businesses included in the survey are selected by random sample from a frame stratified by state, industry and business size. For the ABS Maintained Population, the ABS uses reported employment as the measure of business size. For the ATO Maintained Population, for which employment data are not updated on a regular basis, the ABS uses a derived size benchmark. The derived size benchmark is a modelled employment size measure, based primarily on wages and salaries from Business Activity Statements or number of payees from the ATO, which is scaled to be the same magnitude as the previous employment benchmark, using current ABS employment data from the Survey of Employment and Earnings.

**13** In the first month of each quarter, some businesses in the sample are replaced, at random, by other businesses so that the reporting load can be spread across smaller retailers.

**14** Most businesses can provide turnover on a calendar month basis and this is how the data are presented. When businesses cannot provide turnover on a calendar month basis, the reported data and the period they relate to are used to estimate turnover for the calendar month.

**15** Most retailers operate in a single state/territory. For this reason, estimates of turnover by state/territory are only collected from the larger retailers which are included in the survey each month. These retailers are asked to provide turnover for sales from each state/territory in which the business operates. Turnover for the smaller businesses is allocated to the state of their head office or main outlet.

## EXPLANATORY NOTES *continued*

### DEFINITION OF TURNOVER

**16** Turnover includes retail sales; wholesale sales; takings from repairs, meals and hiring of goods (except for rent, leasing and hiring of land and buildings); commissions from agency activity (e.g. commissions received from collecting dry cleaning, selling lottery tickets, etc.); and net takings from gaming machines etc. From July 2000, turnover includes the Goods and Service Tax.

### SEASONAL ADJUSTMENT

**17** Seasonally adjusted estimates are derived by estimating and removing systematic calendar related effects from the original series. In the Retail trade series, these calendar related effects are known as seasonal (e.g. increased spending in December as a result of Christmas) and trading day influences (arising from the varying length of each month and the varying number of Sundays, Mondays, Tuesdays, etc. in each month). Each influence is estimated by separate seasonal and trading day factors which, when combined, are referred to as the combined adjustment factors.

**18** The seasonally adjusted estimates also have an allowance for an Easter proximity effect, which is caused when Easter falls late in March or early in April. This effect, when present, is combined with the seasonal and trading day factors to form the combined adjustment factors. See the Appendix of the July 2001 issue of this publication for more information.

**19** The Retail series uses a concurrent seasonal adjustment methodology to derive the combined adjustment factors. This means that data from the current month are used in estimating seasonal and trading day factors for the current and previous months. For more information see *Information Paper: Introduction of Concurrent Seasonal Adjustment into the Retail Trade Series* (cat. no. 8514.0).

**20** Concurrent adjustment can result in revisions each month to estimates for earlier periods. However, in most instances, the only noticeable revisions will be to the combined adjustment factors for the current month, the previous month and the same month a year ago. The following table shows how the combined adjustment factor for these months, at the total Australian Retail and Hospitality/services level, evolved under the concurrent seasonal adjustment methodology. The table presents two different estimates of the combined adjustment factors. The first row gives the combined adjustment factors estimated following the last annual reanalysis in August 2002 using data up to and including the July 2002 reference month. The second row gives the most recent combined adjustment factors estimated and used in this month's calculation of the concurrent seasonally adjusted series.

### COMBINED ADJUSTMENT FACTORS

	Sep 2001	Aug 2002	Sep 2002
<b>Factors as estimated at last reanalysis</b> (July 2002 reference month)	0.95946	0.98862	0.95297
<b>Factors as estimated with current month's data</b> (September 2002 reference month)	0.96019	0.98730	0.95476

**21** The seasonal adjustment methodology is able to produce combined adjustment factors for future months. The latest factors for some future months are shown in the following table. While these factors represent the best current estimate, the actual factors used for estimating the seasonally adjusted estimates in these months will differ because they will incorporate subsequent months' data as it becomes available.

## EXPLANATORY NOTES *continued*

### SEASONAL ADJUSTMENT

*continued*

### COMBINED ADJUSTMENT FACTORS

	Oct 2002	Nov 2002	Dec 2002
<b>Factors as estimated with current month's data</b> (September 2002 reference month)	1.02081	1.03633	1.28787

**22** The seasonal and trading day factors are reviewed annually at a more detailed level than possible in the monthly processing cycle. The annual reanalysis will not normally result in significant changes. For Retail Trade, the results of the latest review are usually shown in the July issue each year, but for 2002 appear in the August issue.

**23** In the seasonal adjustment process, both the seasonal and trading day factors evolve over time to reflect changes in spending and trading patterns. Examples of this evolution include the slow move in spending from December to January; and, increased trading activity on weekends and public holidays. The seasonally adjusted estimates still reflect the sampling and non-sampling errors to which the original estimates are subject.

**24** As a result of the different treatment of Australian and State totals in the seasonal adjustment process, the Australian total for an industry group may not necessarily equal the sum of the State totals for that industry group.

### TREND ESTIMATES

**25** The monthly trend estimates are derived by applying a 13-term Henderson moving average to the seasonally adjusted estimates (7-term for quarterly series). The Henderson moving average is symmetric, but as the end of a time series is approached, asymmetric forms of the moving average have to be applied. The asymmetric moving averages have been tailored to suit the particular characteristics of individual series and enable trend estimates for recent periods to be produced. Estimates of the trend will be improved at the current end of the time series as additional observations become available. This improvement is due to the combined effect of the concurrent seasonal adjustment methodology and the application of different asymmetric moving averages for the most recent six months (or three quarters). As a result of the improvement, most revisions to the trend estimates will be observed for the most recent six months (or three quarters).

**26** Trend estimates are used to analyse the underlying behaviour of the series over time. As a result of the introduction of The New Tax System, a break in the monthly trend series has been inserted between June 2000 and July 2000. Care should therefore be taken if comparisons span this period. For more details refer to the Appendix in the December 2000 issue of this publication.

**27** For further information on trend estimates, see *Information Paper: A Guide to Interpreting Time Series — Monitoring 'Trends': an Overview* (cat. no. 1348.0) or contact the Assistant Director, Time Series Analysis on Canberra 02 6252 6345.

## EXPLANATORY NOTES *continued*

### CHAIN VOLUME MEASURES

**28** The chain volume measures of retail turnover appearing in the quarterly issue of this publication are annually reweighted chain Laspeyres indexes referenced to current price values in a chosen reference year (currently 2000–2001). The reference year is updated in the June publication each year. Each year's data in the Retail chain volume series are based on the prices of the previous year, except for the quarters of the latest incomplete year (i.e. for the 2002–2003 financial year) which are based upon price data for the 2000–2001 financial year. Comparability with previous years is achieved by linking (or chaining) the series together to form a continuous time series.

### RELIABILITY OF ESTIMATES

**29** There are two types of error possible in estimates of retail turnover: Sampling error which occurs because a sample, rather than the entire population, is surveyed. One measure of the likely difference resulting from not including all establishments in the survey is given by the standard error, see below. Sampling error may be larger for the first month of each quarter, when some of the businesses in the sample are replaced by other businesses so that the reporting load can be spread across retailers. Non sampling error which arises from inaccuracies in collecting, recording and processing the data. The most significant of these errors are: misreporting of data items; deficiencies in coverage; non-response; and processing errors. Every effort is made to minimise reporting error by the careful design of questionnaires, intensive training and supervision of interviewers, and efficient data processing procedures.

### STANDARD ERRORS

**30** Seasonally adjusted and trend estimates and chain volume measures are also subject to sampling variability. For seasonally adjusted estimates, the standard errors are approximately the same as for the original estimates. For trend estimates, the standard errors are likely to be smaller. For chain volume measures, the standard errors may be up to 10% higher than those for the corresponding current price estimates because of the sampling variability contained in the prices data used to deflate the current price estimates.

**31** Standard errors for the Australian estimates (original data) for September 2002 contained in this publication are:

<i>DATA SERIES</i>	<i>ESTIMATE</i>	<i>STANDARD ERROR</i>
Level of retail turnover (\$m)	13 775.0	139.5
Change from preceding month (\$m)	-369.9	18.0
% change from preceding month	-2.6	0.1

**32** Estimates for sampled businesses in the first month of each quarter can be influenced by the quarterly rotation of approximately 10% of sampled businesses. This rotation is done to spread the reporting load across retailers. At times, the businesses rotated in to the sample can perform differently from the businesses they replace or those already in the sample. The potential impact of the quarterly rotation is reflected in the sampling errors for the relevant months.

**33** To assist users in assessing the reliability of estimates, each data series has been given a grading of A to E. Where:

- A represents a relative standard error on level of less than 2%. The published estimates are highly reliable for movement analysis;

## EXPLANATORY NOTES *continued*

### STANDARD ERRORS *continued*

- B represents a relative standard error on level between 2 and 5%, meaning the estimate is reliable for movement analysis purposes;
- C represents a relative standard error on level between 5 and 10%, meaning users are advised to exercise some caution in interpreting movements for such series;
- D represents a relative standard error on level between 10 and 15% meaning users are advised to exercise caution in interpreting movements for such series; and
- E represents a relative standard error on level greater than 15% (mainly affects unpublished state by industry series).

**34** The table below provides an indicator of reliability for key retail turnover estimates.

	<i>Food retailing</i>	<i>Depart- ment Stores</i>	<i>Clothing &amp; soft good retailing</i>	<i>House- hold good retailing</i>	<i>Recrea- tional good retailing</i>	<i>Other retailing</i>	<i>Hospit- ality &amp; services</i>	<i>Total</i>
NSW	B	A	B	C	C	C	B	A
Vic.	B	A	C	C	C	C	B	A
Qld	B	A	B	C	C	D	C	B
SA	B	A	B	C	C	C	C	B
WA	B	A	B	C	D	D	C	B
Tas.	B	np	C	C	D	np	C	B
NT	B	np	C	C	E	np	C	B
ACT	B	A	B	C	C	D	C	B
Aust.	A	A	B	B	B	B	B	A

np not available for publication but included in totals where applicable, unless otherwise indicated

### FATHERS DAY CORRECTION

**35** As advised in the August 2002 issue, an additional feature has been included in the seasonal adjustment process to take account of the early timing of Father's Day. This improvement, which was described in the Appendix to the August issue, impacts on the estimates for August and September in some years. The seasonally adjusted estimates of turnover for the Australian Retail and Hospitality/Services series for August and September 2002 were derived after removing the normal seasonal factor effect and an additional Father's Day impact of -0.8 and +0.8 percentage points from the original estimates for August and September 2002 respectively.

**36** Seasonally adjusted movement estimates for the Australian Retail and Hospitality/Services series, including the correction for the timing of Father's Day, were +0.5% in August 2002 and +0.7% in September 2002. Without the correction, the seasonally adjusted movement estimates would have been +0.7 and +0.1%, respectively. The differences in the seasonally adjusted results are not the same as the adjustment to the original estimate due to the nature of the seasonally adjustment process.

### ABS DATA AVAILABLE ON REQUEST

**37** Retail Survey Special Data Service provides additional retail trade statistics which include further State industry dissections through to 'top ten' industry reports. For more information, contact the Retail Trade Special Data Services manager on Canberra 02 6252 5220.



## EXPLANATORY NOTES *continued*

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### ABBREVIATIONS

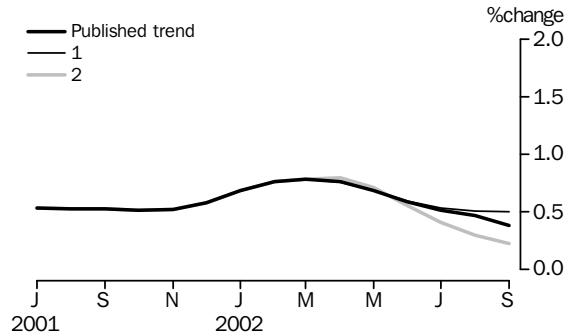
ABN	Australian Business Number
ABS	Australian Bureau of Statistics
ANZSIC	Australian and New Zealand Standard Industrial Classification
ATO	Australian Taxation Office
n.e.c.	not elsewhere classified
PAYGW	pay-as-you-go withholding
TAU	type of activity unit

# TECHNICAL NOTE REVISIONS TO TREND ESTIMATES

## EFFECT OF NEW SEASONALLY ADJUSTED ESTIMATES ON TREND ESTIMATES

**1** The most recent trend estimates published in this release are likely to be revised when next month's seasonally adjusted estimates become available. To assist readers of this publication in analysing retail trends, the approximate effect of the two possible scenarios on the previous trend estimates of the percentage change in total retail turnover for Australia are presented below. For more information see the trend estimates section of the explanatory notes.

- 1 The October seasonally adjusted estimate of retail turnover is 1.0% higher than the September estimate.
- 2 The October seasonally adjusted estimate of retail turnover is 1.0% lower than the September estimate.



## TECHNICAL NOTE

**2** Under concurrent seasonal adjustment, the most recent seasonally adjusted and trend estimates are likely to be revised when original estimates for subsequent months become available. The trend revision is a combined result of the revision of the seasonally adjusted estimates and the revision derived from the use of asymmetric moving averages as future data become available (for more information, refer to paragraph 25 in the explanatory notes). ABS research shows that about 75% of the total revision to the trend estimate at the current end of the time series is due to the use of different asymmetric moving averages when the original estimate for the next time period becomes available. To assess the reliability of the trend estimate at the current end, the "what-if" chart presents trend estimates under two different scenarios of the next time period. The chart shows only the impact due to the changes of the asymmetric moving averages and does not include the unknown impact of revision to seasonal factor estimates that would arise when the original estimate for the next time period becomes available.



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- CPI INFOLINE* For current and historical Consumer Price Index data, call 1902 981 074 (call cost 77c per minute).
- DIAL-A-STATISTIC* For the latest figures for National Accounts, Balance of Payments, Labour Force, Average Weekly Earnings, Estimated Resident Population and the Consumer Price Index call 1900 986 400 (call cost 77c per minute).

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