

# BUILDING APPROVALS AUSTRALIA

EMBARGO: 11:30AM (CANBERRA TIME) WED 1 DEC 1999

## OCTOBER KEY FIGURES

### TREND ESTIMATES

	Oct 1999	% change Sep 1999 to Oct 1999	% change Oct 1998 to Oct 1999
Dwelling units approved			
Private sector houses	9 970	1.7	18.8
Total dwelling units	14 516	1.4	13.7

### SEASONALLY ADJUSTED

	Oct 1999	% change Sep 1999 to Oct 1999	% change Oct 1998 to Oct 1999
Dwelling units approved			
Private sector houses	10 080	2.8	20.0
Total dwelling units	14 760	7.3	16.5

## OCTOBER KEY POINTS

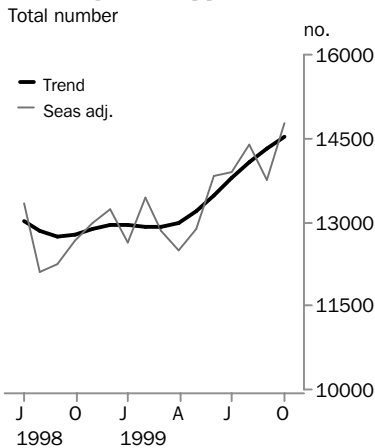
### TREND ESTIMATES

- The trend for total dwellings approved increased by 1.4% in October. This increase follows seven monthly rises this year. The trend has risen by 12.5% since February 1999.
- The trend for private sector house approvals increased by 1.7% in October and has risen 18.8% over the last year.
- The trend for other dwellings continued the rise that has been occurring since April 1999 and is now at its highest level since January 1995.

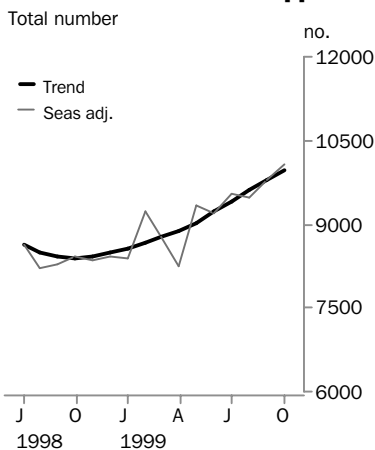
### SEASONALLY ADJUSTED ESTIMATES

- The seasonally adjusted estimate for private sector house approvals increased 2.8% in October following an increase of 3.5% in September.
- The seasonally adjusted estimate for other dwellings increased by 19.0% in October following a fall of 22.6% in the previous month.

### Dwelling units approved



### Private sector houses approved



- For further information about these and related statistics, contact Roger Mableson on Adelaide 08 8237 7494 or Client Services in any ABS office as shown on the back cover of this publication.

# NOTES

## FORTHCOMING ISSUES

<i>ISSUE</i>	<i>RELEASE DATE</i>
November 1999	6 January 2000
December 1999	3 February 2000
January 2000	1 March 2000
February 2000	30 March 2000
March 2000	5 May 2000
April 2000	31 May 2000



## CHANGES IN THIS ISSUE

There are no changes in this issue.



## DATA NOTES

The data problems for the Brisbane City Council are close to being resolved with revisions expected in the November issue.



## SIGNIFICANT REVISIONS THIS MONTH

There are no significant revisions this month.

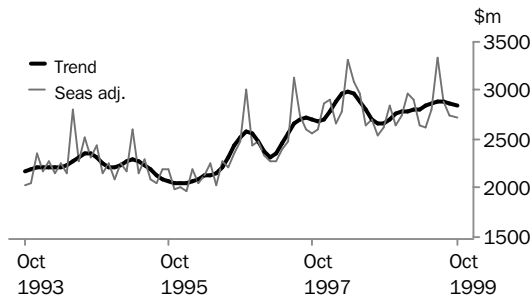


Dennis Trewin  
Acting Australian Statistician

# VALUE OF BUILDING APPROVED

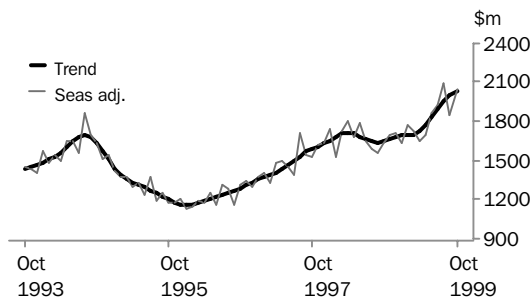
## VALUE OF TOTAL BUILDING

The trend has fallen by 1.3% over the last two months following an increase of 9.0% over the previous eleven months. The fall is a result of the decreasing trend in the value of non-residential building.



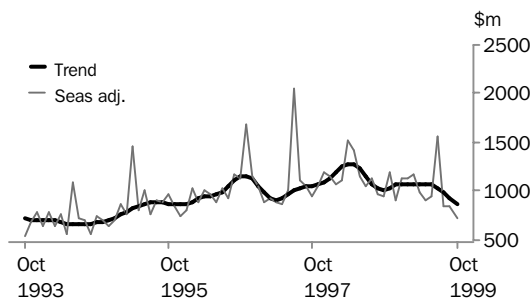
## VALUE OF RESIDENTIAL BUILDING

The trend has increased by 20.0% over the last eight months.



## VALUE OF NON-RESIDENTIAL BUILDING

The trend has decreased by 19.8% over the last five months.



# VALUE OF BUILDING APPROVED

## CHAIN VOLUME MEASURES

SEPTEMBER QUARTER 1999

Changes in the trend estimates of value of building approvals in the September Quarter 1999 in chain volume measures are summarised below.

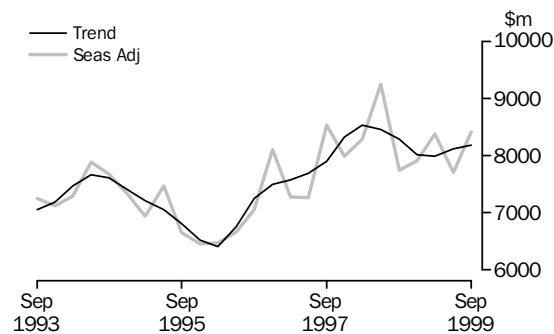
### TREND ESTIMATES

	<i>Jun Qtr 1999 to Sep Qtr 1999</i>	<i>Sep Qtr 1998 to Sep Qtr 1999</i>
	% change	% change
New residential building	3.5	9.0
Alterations and additions to residential buildings	6.5	2.1
Non-residential building	-1.6	-11.7
<b>Total building</b>	<b>0.9</b>	<b>-1.3</b>

The combined effects of a rise in the value of new residential building (3.5%) and a fall in the value of non-residential building (-1.6%) produced an increase of 0.9% in the value of total building in the September Quarter 1999.

The trend has now gained 2.5% since the last low point of March 1999.

QUARTERLY VALUE OF  
BUILDING APPROVED  
(chain volume measures)



# WHAT IF...? REVISIONS TO TREND ESTIMATES

## EFFECT OF NEW SEASONALLY ADJUSTED ESTIMATES ON TREND ESTIMATES

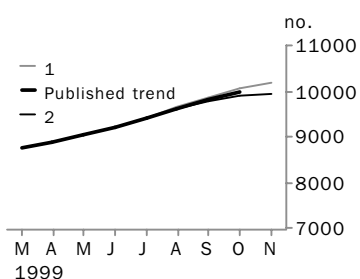
Readers should exercise care when interpreting trend estimates. The last six trend estimates, in particular, are likely to be revised when new seasonally adjusted estimates become available.

### TREND REVISIONS

Generally, the greater the volatility of the original series, the larger the size of the revisions to trend estimates. Analysis of the building approval original series has shown that they can be revised substantially. As a result, some months can elapse before turning points in the trend series are reliably identified.

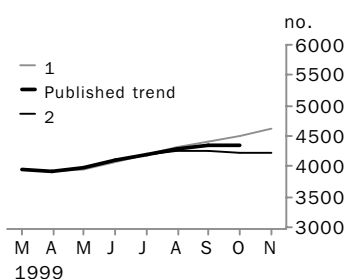
The graphs and tables which follow present the effect of two possible scenarios on the previous trend estimates: that the November seasonally adjusted estimate is higher than the October estimate by 3% for the number of private sector houses approved and 11% for other dwelling units approved; and that the November seasonally adjusted estimate is lower than the October estimate by 3% for the number of private sector houses approved and 11% for other dwelling units approved. These percentages were chosen because they represent the average absolute monthly percentage change for these series over the last ten years.

### PRIVATE SECTOR HOUSES



	TREND AS PUBLISHED		WHAT IF NEXT MONTH'S SEASONALLY ADJUSTED ESTIMATE:			
	no.	% change	<b>1</b> <i>rises by 3% on Oct 1999</i>	% change	<b>2</b> <i>falls by 3% on Oct 1999</i>	% change
June 1999	9 212	2.0	9 199	1.9	9 219	2.0
July 1999	9 412	2.2	9 405	2.2	9 415	2.1
August 1999	9 616	2.2	9 635	2.4	9 608	2.0
September 1999	9 805	2.0	9 850	2.2	9 761	1.6
October 1999	9 970	1.7	10 050	2.0	9 881	1.2
November 1999	n.y.a.	n.y.a.	10 180	1.3	9 925	0.4

### OTHER DWELLINGS



	TREND AS PUBLISHED		WHAT IF NEXT MONTH'S SEASONALLY ADJUSTED ESTIMATE:			
	no.	% change	<b>1</b> <i>rises by 11% on Oct 1999</i>	% change	<b>2</b> <i>falls by 11% on Oct 1999</i>	% change
June 1999	4 092	3.0	4 068	2.8	4 101	3.1
July 1999	4 203	2.7	4 193	3.1	4 209	2.6
August 1999	4 282	1.9	4 308	2.7	4 264	1.3
September 1999	4 335	1.2	4 413	2.4	4 268	0.1
October 1999	4 361	0.6	4 511	2.2	4 238	-0.7
November 1999	n.y.a.	n.y.a.	4 624	2.5	4 212	-0.6

## DWELLING UNITS APPROVED

Month	HOUSES.....		OTHER DWELLINGS....		TOTAL DWELLING UNITS....		
	<i>Private sector</i>	<i>Total</i>	<i>Private sector</i>	<i>Total</i>	<i>Private sector</i>	<i>Public sector</i>	<i>Total</i>
	<i>no.</i>	<i>no.</i>	<i>no.</i>	<i>no.</i>	<i>no.</i>	<i>no.</i>	<i>no.</i>
ORIGINAL							
<b>1998</b>							
August	8 524	8 673	3 604	3 781	12 128	326	12 454
September	9 076	9 321	3 624	3 757	12 700	378	13 078
October	8 645	8 861	3 298	3 523	11 943	441	12 384
November	8 493	8 734	4 465	4 684	12 958	460	13 418
December	7 927	8 057	4 319	4 571	12 246	382	12 628
<b>1999</b>							
January	6 500	6 700	3 096	3 314	9 596	418	10 014
February	8 259	8 401	3 861	4 064	12 120	345	12 465
March	9 728	9 957	3 436	3 726	13 164	519	13 683
April	8 041	8 281	3 945	4 131	11 986	426	12 412
May	9 820	10 000	3 331	3 652	13 151	501	13 652
June	9 471	9 771	3 828	4 444	13 299	916	14 215
July	9 757	9 898	4 361	4 606	14 118	386	14 504
August	10 148	10 223	4 844	4 965	14 992	196	15 188
September	10 732	10 944	3 683	3 882	14 415	411	14 826
October	9 909	10 088	3 563	3 738	13 472	354	13 826
SEASONALLY ADJUSTED							
<b>1998</b>							
August	8 225	8 414	3 464	3 685	11 689	410	12 099
September	8 270	8 510	3 520	3 749	11 790	469	12 259
October	8 404	8 667	3 736	4 000	12 140	527	12 667
November	8 358	8 608	4 137	4 382	12 495	495	12 990
December	8 411	8 558	4 407	4 656	12 818	396	13 214
<b>1999</b>							
January	8 370	8 611	3 824	4 037	12 194	454	12 648
February	9 222	9 389	3 834	4 035	13 056	368	13 424
March	8 787	9 005	3 588	3 820	12 375	450	12 825
April	8 247	8 440	3 834	4 046	12 081	405	12 486
May	9 336	9 515	3 126	3 378	12 462	431	12 893
June	9 205	9 390	4 065	4 445	13 270	565	13 835
July	9 534	9 690	3 861	4 199	13 395	494	13 889
August	9 471	9 560	4 698	4 831	14 169	222	14 391
September	9 805	10 014	3 355	3 739	13 160	593	13 753
October	10 080	10 310	4 246	4 450	14 326	434	14 760
TREND ESTIMATES							
<b>1998</b>							
August	8 500	8 754	3 839	4 072	12 339	488	12 827
September	8 411	8 657	3 845	4 076	12 256	477	12 733
October	8 396	8 629	3 907	4 143	12 303	469	12 772
November	8 432	8 652	3 979	4 219	12 411	460	12 871
December	8 493	8 705	3 999	4 231	12 492	444	12 936
<b>1999</b>							
January	8 564	8 769	3 954	4 175	12 518	426	12 944
February	8 653	8 853	3 826	4 048	12 479	422	12 901
March	8 764	8 959	3 713	3 944	12 477	426	12 903
April	8 888	9 075	3 663	3 913	12 551	437	12 988
May	9 035	9 212	3 704	3 974	12 739	448	13 187
June	9 212	9 380	3 808	4 092	13 020	452	13 472
July	9 412	9 576	3 915	4 203	13 327	452	13 779
August	9 616	9 783	3 999	4 282	13 615	450	14 065
September	9 805	9 978	4 061	4 335	13 866	448	14 314
October	9 970	10 155	4 096	4 361	14 066	450	14 516

## DWELLING UNITS APPROVED, Percentage Change

Month	HOUSES.....		OTHER DWELLINGS....		TOTAL DWELLING UNITS.....		
	Private sector	Total	Private sector	Total	Private sector	Public sector	Total
ORIGINAL (% change from preceding month)							
<b>1998</b>							
August	-5.7	-8.6	-23.4	-22.7	-11.8	-48.4	-13.4
September	6.5	7.5	0.6	-0.6	4.7	16.0	5.0
October	-4.7	-4.9	-9.0	-6.2	-6.0	16.7	-5.3
November	-1.8	-1.4	35.4	33.0	8.5	4.3	8.3
December	-6.7	-7.8	-3.3	-2.4	-5.5	-17.0	-5.9
<b>1999</b>							
January	-18.0	-16.8	-28.3	-27.5	-21.6	9.4	-20.7
February	27.1	25.4	24.7	22.6	26.3	-17.5	24.5
March	17.8	18.5	-11.0	-8.3	8.6	50.4	9.8
April	-17.3	-16.8	14.8	10.9	-8.9	-17.9	-9.3
May	22.1	20.8	-15.6	-11.6	9.7	17.6	10.0
June	-3.6	-2.3	14.9	21.7	1.1	82.8	4.1
July	3.0	1.3	13.9	3.6	6.2	-57.9	2.0
August	4.0	3.3	11.1	7.8	6.2	-49.2	4.7
September	5.8	7.1	-24.0	-21.8	-3.8	109.7	-2.4
October	-7.7	-7.8	-3.3	-3.7	-6.5	-13.9	-6.7
SEASONALLY ADJUSTED (% change from preceding month)							
<b>1998</b>							
August	-4.8	-7.4	-13.0	-12.8	-7.4	-41.3	-9.1
September	0.5	1.1	1.6	1.7	0.9	14.4	1.3
October	1.6	1.8	6.1	6.7	3.0	12.4	3.3
November	-0.5	-0.7	10.7	9.6	2.9	-6.1	2.5
December	0.6	-0.6	6.5	6.3	2.6	-20.0	1.7
<b>1999</b>							
January	-0.5	0.6	-13.2	-13.3	-4.9	14.6	-4.3
February	10.2	9.0	0.2	0.0	7.1	-18.9	6.1
March	-4.7	-4.1	-6.4	-5.3	-5.2	22.3	-4.5
April	-6.1	-6.3	6.8	5.9	-2.4	-10.0	-2.6
May	13.2	12.7	-18.5	-16.5	3.2	6.4	3.3
June	-1.4	-1.3	30.0	31.6	6.5	31.1	7.3
July	3.6	3.2	-5.0	-5.5	0.9	-12.6	0.4
August	-0.7	-1.3	21.7	15.1	5.8	-55.1	3.6
September	3.5	4.7	-28.6	-22.6	-7.1	167.1	-4.4
October	2.8	3.0	26.5	19.0	8.9	-26.8	7.3
TREND ESTIMATES (% change from preceding month)							
<b>1998</b>							
August	-1.4	-1.4	-1.1	-1.5	-1.3	-3.0	-1.4
September	-1.1	-1.1	0.2	0.1	-0.7	-2.3	-0.7
October	-0.2	-0.3	1.6	1.6	0.4	-1.7	0.3
November	0.4	0.3	1.8	1.8	0.9	-1.9	0.8
December	0.7	0.6	0.5	0.3	0.7	-3.5	0.5
<b>1999</b>							
January	0.8	0.7	-1.1	-1.3	0.2	-4.1	0.1
February	1.0	1.0	-3.2	-3.0	-0.3	-0.9	-0.3
March	1.3	1.2	-3.0	-2.6	0.0	0.9	0.0
April	1.4	1.3	-1.3	-0.8	0.6	2.6	0.7
May	1.7	1.5	1.1	1.6	1.5	2.5	1.5
June	2.0	1.8	2.8	3.0	2.2	0.9	2.2
July	2.2	2.1	2.8	2.7	2.4	0.0	2.3
August	2.2	2.2	2.2	1.9	2.2	-0.4	2.1
September	2.0	2.0	1.5	1.2	1.8	-0.4	1.8
October	1.7	1.8	0.9	0.6	1.4	0.4	1.4

## VALUE OF BUILDING APPROVED

Month	New residential building \$m	Alterations and additions to residential buildings(a) \$m	Total residential building \$m	Non-residential building \$m	Total building \$m
ORIGINAL					
<b>1998</b>					
August	1 367.7	233.1	1 600.8	1 455.4	3 056.3
September	1 419.9	263.6	1 683.5	949.3	2 632.7
October	1 398.7	239.2	1 637.8	1 125.2	2 763.1
November	1 535.2	247.6	1 782.8	1 230.5	3 013.3
December	1 383.6	218.6	1 602.2	734.3	2 336.5
<b>1999</b>					
January	1 076.6	189.2	1 265.9	1 019.8	2 285.7
February	1 413.5	239.2	1 652.7	1 226.0	2 878.7
March	1 542.7	260.0	1 802.6	1 083.0	2 885.6
April	1 402.0	225.2	1 627.2	813.2	2 440.4
May	1 614.7	250.7	1 865.4	983.0	2 848.3
June	1 639.3	251.4	1 890.7	981.3	2 872.0
July	1 739.8	290.2	2 030.0	1 223.9	3 254.0
August	1 835.5	307.4	2 143.0	1 095.6	3 238.5
September	1 766.8	292.4	2 059.2	828.2	2 887.4
October	1 649.6	287.5	1 937.1	854.8	2 791.9
SEASONALLY ADJUSTED					
<b>1998</b>					
August	1 325.6	239.9	1 589.3	1 140.3	2 699.4
September	1 336.7	237.3	1 559.8	974.4	2 545.3
October	1 402.7	234.0	1 639.6	942.5	2 618.4
November	1 451.8	234.5	1 701.6	1 185.8	2 845.7
December	1 476.4	245.4	1 714.0	903.7	2 640.7
<b>1999</b>					
January	1 404.8	234.7	1 638.7	1 131.5	2 749.4
February	1 504.2	253.1	1 778.1	1 123.6	2 977.1
March	1 483.8	233.3	1 723.6	1 169.2	2 916.9
April	1 453.5	228.6	1 651.5	998.1	2 646.8
May	1 452.5	243.0	1 693.1	909.1	2 619.1
June	1 671.7	242.7	1 863.4	943.4	2 803.0
July	1 593.8	289.4	1 929.8	1 556.3	3 331.3
August	1 776.7	310.1	2 097.4	841.3	2 880.8
September	1 594.3	271.8	1 855.6	857.1	2 746.3
October	1 768.3	285.5	2 051.7	721.6	2 724.0
TREND ESTIMATES					
<b>1998</b>					
August	1 395.4	252.9	1 646.2	1 080.8	2 713.6
September	1 392.7	243.4	1 638.4	1 026.3	2 654.1
October	1 407.6	237.7	1 650.2	1 012.6	2 657.2
November	1 429.3	236.4	1 671.2	1 034.2	2 708.3
December	1 444.5	237.6	1 687.9	1 063.4	2 763.0
<b>1999</b>					
January	1 453.6	238.2	1 695.6	1 071.8	2 788.5
February	1 457.8	236.8	1 694.5	1 071.4	2 791.9
March	1 471.1	236.6	1 703.0	1 072.0	2 796.7
April	1 496.4	240.2	1 728.6	1 076.6	2 812.8
May	1 535.0	248.3	1 775.2	1 079.1	2 841.2
June	1 581.6	259.7	1 835.6	1 067.2	2 870.0
July	1 627.8	271.6	1 897.5	1 037.1	2 889.7
August	1 669.8	281.7	1 953.2	989.0	2 893.5
September	1 705.2	289.4	1 998.5	925.4	2 877.0
October	1 734.1	294.3	2 034.3	865.0	2 856.9

(a) Refer to Explanatory Notes paragraph 12.



## VALUE OF BUILDING APPROVED, Percentage Change

Month	<i>New residential building</i>	<i>Alterations and additions to residential buildings(a)</i>	<i>Total residential building</i>	<i>Non- residential building</i>	<i>Total building</i>
ORIGINAL (% change from preceding month)					
<b>1998</b>					
August	-11.4	-17.6	-12.3	65.2	12.9
September	3.8	13.1	5.2	-34.8	-13.9
October	-1.5	-9.3	-2.7	18.5	5.0
November	9.8	3.5	8.9	9.4	9.1
December	-9.9	-11.7	-10.1	-40.3	-22.5
<b>1999</b>					
January	-22.2	-13.4	-21.0	38.9	-2.2
February	31.3	26.4	30.6	20.2	25.9
March	9.1	8.7	9.1	-11.7	0.2
April	-9.1	-13.4	-9.7	-24.9	-15.4
May	15.2	11.3	14.6	20.9	16.7
June	1.5	0.3	1.4	-0.2	0.8
July	6.1	15.4	7.4	24.7	13.3
August	5.5	5.9	5.6	-10.5	-0.5
September	-3.7	-4.9	-3.9	-24.4	-10.8
October	-6.6	-1.7	-5.9	3.2	-3.3
SEASONALLY ADJUSTED (% change from preceding month)					
<b>1998</b>					
August	-4.3	-10.4	-3.9	8.9	2.3
September	0.8	-1.1	-1.9	-14.5	-5.7
October	4.9	-1.4	5.1	-3.3	2.9
November	3.5	0.2	3.8	25.8	8.7
December	1.7	4.6	0.7	-23.8	-7.2
<b>1999</b>					
January	-4.9	-4.4	-4.4	25.2	4.1
February	7.1	7.8	8.5	-0.7	8.3
March	-1.4	-7.8	-3.1	4.1	-2.0
April	-2.0	-2.0	-4.2	-14.6	-9.3
May	-0.1	6.3	2.5	-8.9	-1.0
June	15.1	-0.1	10.1	3.8	7.0
July	-4.7	19.2	3.6	65.0	18.8
August	11.5	7.2	8.7	-45.9	-13.5
September	-10.3	-12.3	-11.5	1.9	-4.7
October	10.9	5.0	10.6	-15.8	-0.8
TREND ESTIMATES (% change from preceding month)					
<b>1998</b>					
August	-1.1	-3.6	-1.2	-6.5	-3.3
September	-0.2	-3.8	-0.5	-5.0	-2.2
October	1.1	-2.3	0.7	-1.3	0.1
November	1.5	-0.5	1.3	2.1	1.9
December	1.1	0.5	1.0	2.8	2.0
<b>1999</b>					
January	0.6	0.2	0.5	0.8	0.9
February	0.3	-0.6	-0.1	0.0	0.1
March	0.9	-0.1	0.5	0.0	0.2
April	1.7	1.5	1.5	0.4	0.6
May	2.6	3.4	2.7	0.2	1.0
June	3.0	4.6	3.4	-1.1	1.0
July	2.9	4.6	3.4	-2.8	0.7
August	2.6	3.7	2.9	-4.6	0.1
September	2.1	2.7	2.3	-6.4	-0.6
October	1.7	1.7	1.8	-6.5	-0.7

(a) Refer to Explanatory Notes paragraph 12.

## DWELLING UNITS APPROVED, By State

	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory
Month	no.	no.	no.	no.	no.	no.	no.	no.
ORIGINAL								
<b>1998</b>								
August	3 742	3 263	2 603	634	1 735	129	158	190
September	4 071	3 325	3 048	742	1 413	139	239	101
October	3 952	3 079	2 662	585	1 634	139	245	88
November	4 758	3 439	2 507	606	1 649	108	221	130
December	4 311	3 301	2 270	563	1 641	114	139	289
<b>1999</b>								
January	3 510	2 475	1 890	444	1 307	117	139	132
February	3 862	3 784	2 153	607	1 547	109	187	216
March	4 441	3 637	2 461	750	1 938	126	152	178
April	4 005	3 416	2 300	568	1 625	126	225	147
May	4 759	3 610	2 257	683	1 941	95	124	183
June	4 614	3 312	2 614	845	2 386	88	180	176
July	4 889	3 893	2 400	842	2 043	158	140	139
August	4 859	4 770	2 364	771	2 067	118	123	116
September	4 266	4 105	2 892	907	2 063	116	116	361
October	4 207	3 839	2 790	794	1 819	140	110	127
SEASONALLY ADJUSTED								
<b>1998</b>								
August	3 866	3 039	2 599	627	1 847	129	n.a.	n.a.
September	3 904	3 111	2 690	648	1 317	127	n.a.	n.a.
October	4 225	2 949	2 530	584	1 653	124	n.a.	n.a.
November	4 420	3 371	2 502	622	1 712	114	n.a.	n.a.
December	4 451	3 470	2 414	615	1 653	112	n.a.	n.a.
<b>1999</b>								
January	4 286	3 256	2 462	659	1 673	119	n.a.	n.a.
February	4 126	3 716	2 408	655	1 679	115	n.a.	n.a.
March	4 277	3 313	2 437	660	1 700	122	n.a.	n.a.
April	4 265	3 688	2 221	596	1 726	122	n.a.	n.a.
May	4 252	3 544	2 284	721	1 899	100	n.a.	n.a.
June	4 548	3 225	2 420	735	1 998	98	n.a.	n.a.
July	4 572	3 964	2 255	758	2 048	164	n.a.	n.a.
August	4 998	4 483	2 222	701	2 026	116	n.a.	n.a.
September	3 997	3 877	2 554	807	2 077	112	n.a.	n.a.
October	4 659	3 770	2 828	826	1 894	124	n.a.	n.a.
TREND ESTIMATES								
<b>1998</b>								
August	4 396	3 094	2 549	667	1 644	125	210	152
September	4 357	3 089	2 525	652	1 626	123	208	145
October	4 346	3 149	2 521	633	1 620	121	203	142
November	4 336	3 241	2 511	620	1 625	119	196	149
December	4 309	3 347	2 479	620	1 640	118	190	161
<b>1999</b>								
January	4 281	3 430	2 436	629	1 662	116	182	176
February	4 248	3 464	2 394	642	1 692	115	175	184
March	4 255	3 480	2 360	655	1 735	115	170	177
April	4 303	3 519	2 321	670	1 797	116	166	165
May	4 384	3 597	2 296	689	1 877	117	160	158
June	4 468	3 709	2 302	712	1 948	119	151	163
July	4 525	3 824	2 346	737	1 996	121	140	178
August	4 552	3 922	2 416	763	2 022	123	130	196
September	4 558	3 995	2 501	785	2 031	124	119	215
October	4 555	4 020	2 598	807	2 026	124	108	232

## DWELLING UNITS APPROVED, By State—Percentage Change

Month	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory
ORIGINAL (% change from preceding month)								
<b>1998</b>								
August	-33.7	6.5	4.4	-29.6	1.6	7.5	-24.4	-22.1
September	8.8	1.9	17.1	17.0	-18.6	7.8	51.3	-46.8
October	-2.9	-7.4	-12.7	-21.2	15.6	0.0	2.5	-12.9
November	20.4	11.7	-5.8	3.6	0.9	-22.3	-9.8	47.7
December	-9.4	-4.0	-9.5	-7.1	-0.5	5.6	-37.1	122.3
<b>1999</b>								
January	-18.6	-25.0	-16.7	-21.1	-20.4	2.6	0.0	-54.3
February	10.0	52.9	13.9	36.7	18.4	-6.8	34.5	63.6
March	15.0	-3.9	14.3	23.6	25.3	15.6	-18.7	-17.6
April	-9.8	-6.1	-6.5	-24.3	-16.2	0.0	48.0	-17.4
May	18.8	5.7	-1.9	20.2	19.4	-24.6	-44.9	24.5
June	-3.0	-8.3	15.8	23.7	22.9	-7.4	45.2	-3.8
July	6.0	17.5	-8.2	-0.4	-14.4	79.5	-22.2	-21.0
August	-0.6	22.5	-1.5	-8.4	1.2	-25.3	-12.1	-16.5
September	-12.2	-13.9	22.3	17.6	-0.2	-1.7	-5.7	211.2
October	-1.4	-6.5	-3.5	-12.5	-11.8	20.7	-5.2	-64.8
SEASONALLY ADJUSTED (% change from preceding month)								
<b>1998</b>								
August	-22.0	-1.0	13.6	-20.7	12.9	6.8	n.a.	n.a.
September	1.0	2.4	3.5	3.3	-28.7	-1.9	n.a.	n.a.
October	8.2	-5.2	-5.9	-9.9	25.5	-2.4	n.a.	n.a.
November	4.6	14.3	-1.1	6.5	3.6	-8.1	n.a.	n.a.
December	0.7	2.9	-3.5	-1.1	-3.4	-2.1	n.a.	n.a.
<b>1999</b>								
January	-3.7	-6.2	2.0	7.2	1.2	6.6	n.a.	n.a.
February	-3.7	14.1	-2.2	-0.6	0.4	-3.0	n.a.	n.a.
March	3.7	-10.8	1.2	0.8	1.3	5.7	n.a.	n.a.
April	-0.3	11.3	-8.9	-9.7	1.5	0.1	n.a.	n.a.
May	-0.3	-3.9	2.8	21.0	10.0	-18.3	n.a.	n.a.
June	7.0	-9.0	6.0	1.9	5.2	-1.3	n.a.	n.a.
July	0.5	22.9	-6.8	3.1	2.5	67.1	n.a.	n.a.
August	9.3	13.1	-1.5	-7.5	-1.1	-29.2	n.a.	n.a.
September	-20.0	-13.5	14.9	15.1	2.5	-4.2	n.a.	n.a.
October	16.6	-2.8	10.7	2.4	-8.8	11.6	n.a.	n.a.
TREND ESTIMATES (% change from preceding month)								
<b>1998</b>								
August	-1.3	-1.9	-1.8	-1.3	-1.6	-0.8	1.6	-3.2
September	-0.9	-0.2	-0.9	-2.2	-1.1	-1.6	-0.8	-4.9
October	-0.3	1.9	-0.2	-2.9	-0.4	-2.0	-2.8	-1.6
November	-0.2	2.9	-0.4	-2.1	0.3	-1.6	-3.1	4.5
December	-0.6	3.3	-1.3	0.0	0.9	-0.8	-3.1	8.4
<b>1999</b>								
January	-0.6	2.5	-1.7	1.5	1.3	-1.4	-4.1	8.9
February	-0.8	1.0	-1.7	2.1	1.8	-1.1	-3.9	4.7
March	0.2	0.5	-1.4	2.0	2.5	0.0	-3.1	-3.9
April	1.1	1.1	-1.7	2.3	3.6	0.8	-2.1	-7.0
May	1.9	2.2	-1.1	2.8	4.5	1.4	-3.5	-4.1
June	1.9	3.1	0.3	3.3	3.8	1.7	-5.7	3.5
July	1.3	3.1	1.9	3.5	2.5	1.7	-7.1	8.8
August	0.6	2.6	3.0	3.5	1.3	1.3	-7.7	10.5
September	0.1	1.9	3.5	2.9	0.4	0.6	-8.2	9.6
October	-0.1	0.6	3.9	2.8	-0.2	0.3	-9.5	8.0

## DWELLING UNITS APPROVED, Private and Public Sector: Original

Period	New houses	New other residential building	Alterations and additions to residential buildings	Conversion(a)	Non-residential building(a)	Total dwelling units
PRIVATE SECTOR (Number)						
<b>1996-1997</b>	90 765	36 948	853	2 231	461	<b>131 258</b>
<b>1997-1998</b>	104 461	42 517	788	2 587	621	<b>150 974</b>
<b>1998-1999</b>	103 416	41 945	662	2 541	476	<b>149 040</b>
<b>1998</b>						
October	8 638	3 161	43	85	16	<b>11 943</b>
November	8 486	3 997	75	381	19	<b>12 958</b>
December	7 914	3 969	37	266	60	<b>12 246</b>
<b>1999</b>						
January	6 497	2 930	26	81	62	<b>9 596</b>
February	8 251	3 523	104	232	10	<b>12 120</b>
March	9 719	3 155	41	212	37	<b>13 164</b>
April	8 031	3 620	74	201	60	<b>11 986</b>
May	9 807	3 159	29	132	24	<b>13 151</b>
June	9 458	3 619	45	142	35	<b>13 299</b>
July	9 748	4 133	22	151	64	<b>14 118</b>
August	10 141	4 530	34	211	76	<b>14 992</b>
September	10 727	3 580	35	42	31	<b>14 415</b>
October	9 903	3 406	30	94	39	<b>13 472</b>
PUBLIC SECTOR (Number)						
<b>1996-1997</b>	1 768	3 469	73	38	19	<b>5 367</b>
<b>1997-1998</b>	2 530	2 989	35	1	13	<b>5 568</b>
<b>1998-1999</b>	2 717	2 986	35	2	4	<b>5 744</b>
<b>1998</b>						
October	216	216	9	0	0	<b>441</b>
November	241	212	7	0	0	<b>460</b>
December	130	250	0	2	0	<b>382</b>
<b>1999</b>						
January	200	218	0	0	0	<b>418</b>
February	142	202	1	0	0	<b>345</b>
March	229	286	2	0	2	<b>519</b>
April	240	181	5	0	0	<b>426</b>
May	180	319	2	0	0	<b>501</b>
June	297	611	8	0	0	<b>916</b>
July	141	236	9	0	0	<b>386</b>
August	75	113	8	0	0	<b>196</b>
September	212	199	0	0	0	<b>411</b>
October	179	175	0	0	0	<b>354</b>
TOTAL (Number)						
<b>1996-1997</b>	92 533	40 417	926	2 269	480	<b>136 625</b>
<b>1997-1998</b>	106 991	45 506	823	2 588	634	<b>156 542</b>
<b>1998-1999</b>	106 133	44 931	697	2 543	480	<b>154 784</b>
<b>1998</b>						
October	8 854	3 377	52	85	16	<b>12 384</b>
November	8 727	4 209	82	381	19	<b>13 418</b>
December	8 044	4 219	37	268	60	<b>12 628</b>
<b>1999</b>						
January	6 697	3 148	26	81	62	<b>10 014</b>
February	8 393	3 725	105	232	10	<b>12 465</b>
March	9 948	3 441	43	212	39	<b>13 683</b>
April	8 271	3 801	79	201	60	<b>12 412</b>
May	9 987	3 478	31	132	24	<b>13 652</b>
June	9 755	4 230	53	142	35	<b>14 215</b>
July	9 889	4 369	31	151	64	<b>14 504</b>
August	10 216	4 643	42	211	76	<b>15 188</b>
September	10 939	3 779	35	42	31	<b>14 826</b>
October	10 082	3 581	30	94	39	<b>13 826</b>

(a) See Glossary for definition.

VALUE OF BUILDING APPROVED, Private and Public Sector: **Original**

Period	New houses	New other residential building	Alterations and additions creating dwellings	Alterations and additions not creating dwellings	Conversion(a)	Total residential building	Non-residential building(a)	Total building
PRIVATE SECTOR (\$ million)								
<b>1996-1997</b>	9 688.2	3 524.5	62.8	2 232.6	203.4	15 711.7	9 209.7	<b>24 921.1</b>
<b>1997-1998</b>	11 654.3	4 443.3	87.8	2 573.4	257.3	19 016.3	10 276.7	<b>29 292.6</b>
<b>1998-1999</b>	12 254.2	4 550.9	67.2	2 495.0	245.8	19 613.3	8 920.7	<b>28 533.7</b>
<b>1998</b>								
October	1 004.3	353.3	4.0	223.7	4.8	1 590.1	740.5	<b>2 330.6</b>
November	992.9	501.2	7.4	203.0	26.9	1 731.5	978.8	<b>2 710.2</b>
December	927.6	417.5	3.3	185.6	24.1	1 558.0	493.4	<b>2 051.4</b>
<b>1999</b>								
January	765.9	274.3	2.2	169.1	10.3	1 221.7	686.8	<b>1 908.5</b>
February	974.0	408.1	8.7	201.7	22.5	1 615.0	829.6	<b>2 444.7</b>
March	1 168.6	325.6	5.2	222.6	23.1	1 745.2	802.2	<b>2 547.3</b>
April	960.5	400.6	9.3	182.8	24.4	1 577.7	646.0	<b>2 223.7</b>
May	1 194.9	374.7	2.6	228.4	14.5	1 815.2	827.9	<b>2 643.0</b>
June	1 179.0	378.1	2.9	224.8	9.3	1 794.2	620.7	<b>2 414.8</b>
July	1 212.3	492.4	1.8	248.1	30.0	1 984.7	860.1	<b>2 844.8</b>
August	1 247.1	571.1	2.3	267.1	26.8	2 114.4	780.9	<b>2 895.3</b>
September	1 335.1	391.4	3.9	278.9	7.0	2 016.3	637.8	<b>2 654.1</b>
October	1 251.1	353.8	2.9	270.5	10.5	1 888.8	655.2	<b>2 544.0</b>
PUBLIC SECTOR (\$ million)								
<b>1996-1997</b>	189.0	276.0	2.0	58.3	2.2	527.3	3 520.3	<b>4 047.6</b>
<b>1997-1998</b>	249.2	224.6	2.7	101.7	0.1	578.3	4 185.6	<b>4 763.6</b>
<b>1998-1999</b>	292.2	240.1	4.3	88.0	0.1	624.5	3 561.7	<b>4 186.2</b>
<b>1998</b>								
October	26.0	15.2	1.0	5.6	0.0	47.7	384.8	<b>432.5</b>
November	24.7	16.4	0.4	9.9	0.0	51.3	251.7	<b>303.0</b>
December	15.1	23.5	0.0	5.6	0.1	44.2	240.9	<b>285.1</b>
<b>1999</b>								
January	19.7	16.8	0.0	7.7	0.0	44.1	333.0	<b>377.2</b>
February	15.9	15.4	0.1	6.2	0.0	37.7	396.4	<b>434.1</b>
March	25.3	23.2	0.2	8.8	0.0	57.5	280.9	<b>338.3</b>
April	27.3	13.7	1.1	7.4	0.0	49.5	167.2	<b>216.7</b>
May	19.8	25.2	0.2	4.9	0.0	50.2	155.1	<b>205.3</b>
June	32.0	50.1	0.8	13.6	0.0	96.5	360.7	<b>457.2</b>
July	14.1	21.0	1.3	9.0	0.0	45.4	363.8	<b>409.2</b>
August	8.2	9.1	0.4	10.8	0.0	28.6	314.7	<b>343.3</b>
September	22.4	17.9	0.0	2.6	0.0	42.9	190.4	<b>233.4</b>
October	18.6	26.1	0.0	3.6	0.0	48.3	199.6	<b>247.8</b>
TOTAL (\$ million)								
<b>1996-1997</b>	9 877.1	3 800.3	64.7	2 291.0	205.7	16 239.0	12 729.9	<b>28 968.7</b>
<b>1997-1998</b>	11 903.5	4 667.9	90.4	2 675.2	257.3	19 594.2	14 461.8	<b>34 056.2</b>
<b>1998-1999</b>	12 546.3	4 790.9	71.6	2 583.2	245.8	20 237.8	12 482.1	<b>32 719.8</b>
<b>1998</b>								
October	1 030.2	368.5	5.0	229.3	4.8	1 637.8	1 125.2	<b>2 763.1</b>
November	1 017.6	517.6	7.9	212.9	26.9	1 782.8	1 230.5	<b>3 013.3</b>
December	942.7	441.0	3.3	191.2	24.1	1 602.2	734.3	<b>2 336.5</b>
<b>1999</b>								
January	785.6	291.0	2.2	176.8	10.3	1 265.9	1 019.8	<b>2 285.7</b>
February	989.9	423.5	8.8	207.9	22.5	1 652.7	1 226.0	<b>2 878.7</b>
March	1 193.9	348.7	5.4	231.4	23.1	1 802.6	1 083.0	<b>2 885.6</b>
April	987.7	414.3	10.5	190.3	24.4	1 627.2	813.2	<b>2 440.4</b>
May	1 214.8	399.9	2.8	233.3	14.5	1 865.4	983.0	<b>2 848.3</b>
June	1 211.0	428.3	3.6	238.5	9.3	1 890.7	981.3	<b>2 872.0</b>
July	1 226.4	513.5	3.1	257.1	30.0	2 030.0	1 223.9	<b>3 254.0</b>
August	1 255.4	580.2	2.7	277.9	26.8	2 143.0	1 095.6	<b>3 238.5</b>
September	1 357.5	409.3	3.9	281.5	7.0	2 059.2	828.2	<b>2 887.4</b>
October	1 269.7	379.9	2.9	274.1	10.5	1 937.1	854.8	<b>2 791.9</b>

(a) See Glossary for definition.

## DWELLING UNITS APPROVED IN NEW RESIDENTIAL BUILDINGS(a): Original

### NEW OTHER RESIDENTIAL BUILDING.....

Period	New houses	Semi-detached, row or terrace houses, townhouses, etc. of ...		Flats, units or apartments in a building of .....				Total	Total new residential building	
	One storey	Two or more storeys	Total	One or two storeys	Three storeys	Four or more storeys	Total			
NUMBER OF DWELLING UNITS										
<b>1996-1997</b>	92 533	10 698	8 920	19 618	4 777	5 464	10 558	20 799	40 417	<b>132 950</b>
<b>1997-1998</b>	106 991	11 376	10 403	21 779	5 116	6 064	12 547	23 727	45 506	<b>152 497</b>
<b>1998-1999</b>	106 133	10 047	11 653	21 700	4 603	4 900	13 728	23 231	44 931	<b>151 064</b>
<b>1998</b>										
August	8 664	838	850	1 688	435	429	912	1 776	3 464	<b>12 128</b>
September	9 312	879	1 335	2 214	300	320	495	1 115	3 329	<b>12 641</b>
October	8 854	823	959	1 782	243	307	1 045	1 595	3 377	<b>12 231</b>
November	8 727	719	1 088	1 807	314	410	1 678	2 402	4 209	<b>12 936</b>
December	8 044	884	879	1 763	506	558	1 392	2 456	4 219	<b>12 263</b>
<b>1999</b>										
January	6 697	572	892	1 464	295	358	1 031	1 684	3 148	<b>9 845</b>
February	8 393	671	791	1 462	392	478	1 393	2 263	3 725	<b>12 118</b>
March	9 948	879	937	1 816	450	250	925	1 625	3 441	<b>13 389</b>
April	8 271	950	884	1 834	325	454	1 188	1 967	3 801	<b>12 072</b>
May	9 987	741	1 003	1 744	316	371	1 047	1 734	3 478	<b>13 465</b>
June	9 755	1 115	1 044	2 159	566	537	968	2 071	4 230	<b>13 985</b>
July	9 889	883	1 210	2 093	351	436	1 489	2 276	4 369	<b>14 258</b>
August	10 216	800	806	1 606	419	367	2 251	3 037	4 643	<b>14 859</b>
September	10 939	1 174	1 013	2 187	233	280	1 079	1 592	3 779	<b>14 718</b>
October	10 082	700	1 078	1 778	181	227	1 395	1 803	3 581	<b>13 663</b>
VALUE (\$ million)										
<b>1996-1997</b>	9 877.1	753.1	809.5	1 562.7	351.4	480.0	1 406.2	2 237.8	3 800.3	<b>13 677.5</b>
<b>1997-1998</b>	11 903.5	822.7	958.4	1 780.9	423.2	548.3	1 915.1	2 886.8	4 667.9	<b>16 571.3</b>
<b>1998-1999</b>	12 546.3	782.5	1 158.3	1 940.7	386.5	497.2	1 966.2	2 850.0	4 790.9	<b>17 337.3</b>
<b>1998</b>										
August	998.2	67.2	72.1	139.3	40.7	47.8	141.6	230.2	369.5	<b>1 367.7</b>
September	1 085.2	68.2	124.6	192.8	22.1	32.1	87.7	141.8	334.7	<b>1 419.9</b>
October	1 030.2	63.0	85.2	148.2	18.2	29.0	173.1	220.3	368.5	<b>1 398.7</b>
November	1 017.6	56.1	109.2	165.3	25.9	42.7	283.7	352.3	517.6	<b>1 535.2</b>
December	942.7	66.9	87.8	154.7	39.7	53.0	193.6	286.3	441.0	<b>1 383.6</b>
<b>1999</b>										
January	785.6	46.1	81.5	127.7	21.3	32.3	109.8	163.4	291.0	<b>1 076.6</b>
February	989.9	52.7	82.8	135.4	31.4	54.7	202.0	288.1	423.5	<b>1 413.5</b>
March	1 193.9	71.8	96.1	167.8	34.4	22.1	124.4	180.9	348.7	<b>1 542.7</b>
April	987.7	71.5	93.7	165.2	25.9	53.0	170.1	249.0	414.3	<b>1 402.0</b>
May	1 214.8	60.9	107.0	167.9	30.5	38.1	163.4	232.0	399.9	<b>1 614.7</b>
June	1 211.0	85.2	110.1	195.3	55.1	55.2	122.6	232.9	428.3	<b>1 639.3</b>
July	1 226.4	78.4	119.5	197.9	32.5	46.5	236.6	315.6	513.5	<b>1 739.8</b>
August	1 255.4	64.4	86.5	150.9	36.7	34.2	358.4	429.3	580.2	<b>1 835.5</b>
September	1 357.5	97.2	110.6	207.8	23.3	31.6	146.6	201.5	409.3	<b>1 766.8</b>
October	1 269.7	56.2	108.4	164.6	17.7	21.6	176.0	215.3	379.9	<b>1 649.6</b>

(a) See Glossary for definition.

## VALUE OF BUILDING APPROVED, Chain Volume Measures(a)

Period	New houses	New other residential building	New residential building	Alterations and additions to residential buildings(b)	Total residential building	Non-residential building	Total building
ORIGINAL (\$ million)							
<b>1996-1997</b>	9 935.0	3 960.2	13 893.6	2 585.7	16 479.6	13 252.6	<b>29 716.2</b>
<b>1997-1998</b>	11 903.5	4 667.8	16 571.3	3 022.9	19 594.2	14 462.0	<b>34 056.2</b>
<b>1998-1999</b>	12 284.1	4 534.5	16 818.6	2 840.7	19 659.3	12 082.0	<b>31 741.3</b>
<b>1998</b>							
June	3 221.8	1 324.8	4 545.1	853.0	5 398.2	3 898.1	<b>9 294.3</b>
September	3 146.9	1 128.9	4 275.8	773.9	5 049.7	3 215.6	<b>8 265.3</b>
December	2 948.1	1 266.4	4 214.5	695.8	4 910.3	3 002.5	<b>7 912.8</b>
<b>1999</b>							
March	2 901.4	998.2	3 899.6	672.4	4 572.0	3 213.5	<b>7 785.5</b>
June	3 287.7	1 141.0	4 428.7	698.6	5 127.3	2 650.5	<b>7 777.7</b>
September	3 663.5	1 374.4	5 037.9	848.1	5 885.9	2 976.5	<b>8 862.4</b>
SEASONALLY ADJUSTED (\$ million)							
<b>1998</b>							
June	3 165.8	1 318.9	4 456.3	834.7	5 217.9	3 940.3	<b>9 248.2</b>
September	2 943.5	1 065.8	3 985.9	739.2	4 740.0	3 066.1	<b>7 746.2</b>
December	2 970.0	1 221.9	4 224.2	705.6	4 947.9	2 946.2	<b>7 908.7</b>
<b>1999</b>							
March	3 142.4	1 102.6	4 249.7	706.7	4 992.4	3 325.6	<b>8 375.8</b>
June	3 228.2	1 144.2	4 358.9	689.1	4 979.0	2 744.1	<b>7 710.7</b>
September	3 412.1	1 289.2	4 654.8	825.7	5 525.3	3 003.4	<b>8 419.4</b>
TREND ESTIMATES (\$ million)							
<b>1998</b>							
June	3 070.6	1 170.0	4 230.6	794.7	5 005.5	3 388.4	<b>8 463.7</b>
September	3 021.3	1 180.7	4 193.6	763.2	4 954.6	3 327.6	<b>8 291.6</b>
December	3 007.6	1 147.9	4 162.8	710.4	4 882.8	3 119.8	<b>8 013.2</b>
<b>1999</b>							
March	3 106.8	1 141.0	4 254.0	701.2	4 961.1	3 005.1	<b>7 985.8</b>
June	3 251.9	1 181.9	4 419.5	731.5	5 146.7	2 985.2	<b>8 118.1</b>
September	3 389.1	1 222.0	4 572.3	779.1	5 351.3	2 937.6	<b>8 187.7</b>
TREND ESTIMATES (% change from preceding quarter)							
<b>1998</b>							
June	0.8	1.8	0.7	1.7	0.6	-2.9	<b>-0.9</b>
September	-1.6	0.9	-0.9	-4.0	-1.0	-1.8	<b>-2.0</b>
December	-0.5	-2.8	-0.7	-6.9	-1.4	-6.2	<b>-3.4</b>
<b>1999</b>							
March	3.3	-0.6	2.2	-1.3	1.6	-3.7	<b>-0.3</b>
June	4.7	3.6	3.9	4.3	3.7	-0.7	<b>1.7</b>
September	4.2	3.4	3.5	6.5	4.0	-1.6	<b>0.9</b>

(a) Reference year for chain volume measures is 1997-1998.  
Refer to Explanatory Notes paragraphs 20-21.

(b) Refer to Explanatory Notes paragraph 12.

## NON-RESIDENTIAL BUILDING APPROVED, Jobs By Value Range: Original

Period	Hotels, motels and other short term accommodation....		Shops.....		Factories.....		Offices.....		Other business premises.....		Educational.....	
	no.	\$m	no.	\$m	no.	\$m	no.	\$m	no.	\$m	no.	\$m
Value—\$50,000—\$199,999												
<b>1999</b>												
August	42	3.7	365	31.2	85	9.5	145	13.6	149	14.6	43	5.0
September	29	2.9	449	41.1	93	9.9	163	16.2	169	15.7	44	4.5
October	31	2.8	424	38.3	70	7.7	169	16.7	132	14.3	33	3.6
Value—\$200,000—\$499,999												
<b>1999</b>												
August	20	5.4	72	20.9	57	16.9	66	19.9	67	19.0	37	12.9
September	15	5.2	70	21.0	57	17.1	60	18.4	56	18.0	48	14.5
October	18	5.6	75	21.6	47	13.3	55	16.3	64	18.7	35	11.9
Value—\$500,000—\$999,999												
<b>1999</b>												
August	6	4.3	29	18.6	22	12.9	27	18.2	37	23.0	22	15.5
September	1	0.9	43	27.6	15	9.3	31	21.7	28	19.7	31	20.7
October	3	2.2	27	18.2	15	10.4	35	22.8	23	15.1	14	10.2
Value—\$1,000,000—\$4,999,999												
<b>1999</b>												
August	12	19.7	27	50.4	9	13.0	20	40.9	37	77.7	32	56.2
September	10	14.2	21	39.4	14	28.1	25	44.9	27	49.9	21	44.6
October	5	7.9	12	27.5	17	38.2	24	40.3	19	45.9	22	43.1
Value—\$5,000,000 and over												
<b>1999</b>												
August	3	25.1	4	157.1	0	0.0	1	5.0	4	30.8	6	78.1
September	4	53.4	3	19.1	1	6.0	3	28.5	3	20.5	4	58.5
October	2	57.5	4	34.3	3	28.1	4	48.8	1	8.0	3	47.4
Value—Total												
<b>1996-1997</b>	665	912.5	4 183	2 180.3	2 313	1 132.5	3 479	2 293.3	2 861	1 627.8	1 528	1 407.4
<b>1997-1998</b>	666	1 340.7	4 718	2 025.2	2 221	992.8	3 419	2 518.5	2 980	2 122.2	1 488	1 369.0
<b>1998-1999</b>	630	826.5	4 610	2 428.5	2 045	941.3	3 178	1 766.6	2 910	2 014.4	1 376	1 404.6
<b>1999</b>												
August	83	58.2	497	278.2	173	52.4	259	97.7	294	164.9	140	167.8
September	59	76.5	586	148.1	180	70.5	282	129.7	283	123.9	148	142.8
October	59	75.9	542	139.8	152	97.7	287	144.9	239	101.9	107	116.1



## NON-RESIDENTIAL BUILDING APPROVED, Jobs By Value Range: **Original** *continued*

Period	Religious.....		Health.....		Entertainment and recreational....		Miscellaneous.....		Total non- residential building.....	
	no.	\$m	no.	\$m	no.	\$m	no.	\$m	no.	\$m
Value—\$50,000—\$199,999										
<b>1999</b>										
August	6	0.6	32	3.4	38	3.8	51	5.3	956	90.8
September	9	1.1	27	2.9	42	3.9	53	4.8	1 078	103.0
October	6	0.6	26	2.5	29	3.1	44	4.2	964	93.6
Value—\$200,000—\$499,999										
<b>1999</b>										
August	7	2.3	17	5.2	18	5.1	21	6.2	382	114.0
September	4	0.9	16	4.6	27	8.2	18	5.7	371	113.7
October	5	1.6	13	4.3	14	4.5	15	4.2	341	102.0
Value—\$500,000—\$999,999										
<b>1999</b>										
August	3	1.7	10	7.1	13	8.4	4	2.6	173	112.4
September	3	1.9	6	3.5	7	4.4	7	4.4	172	114.0
October	2	1.7	11	8.1	7	4.5	6	4.4	143	97.5
Value—\$1,000,000—\$4,999,999										
<b>1999</b>										
August	1	1.0	10	21.9	20	41.6	6	9.6	174	332.1
September	4	5.5	10	16.4	8	11.4	5	9.0	145	263.5
October	1	2.0	10	22.4	10	16.3	11	29.4	131	272.9
Value—\$5,000,000 and over										
<b>1999</b>										
August	0	0.0	5	109.4	4	23.5	3	17.4	30	446.3
September	0	0.0	3	18.1	3	23.8	1	6.2	25	234.0
October	0	0.0	3	32.2	2	20.5	2	11.9	24	288.7
Value—Total										
<b>1996-1997</b>	193	56.3	778	982.3	1 143	1 321.2	1 328	816.7	18 471	12 729.9
<b>1997-1998</b>	219	79.5	771	1 773.6	1 034	1 496.3	1 134	744.0	18 650	14 461.8
<b>1998-1999</b>	228	92.7	793	1 309.2	982	1 182.4	1 069	516.0	17 821	12 482.1
<b>1999</b>										
August	17	5.7	74	147.0	93	82.5	85	41.2	1 715	1 095.6
September	20	9.4	62	45.6	87	51.7	84	30.1	1 791	828.2
October	14	5.9	63	69.5	62	48.9	78	54.1	1 603	854.8

## DWELLING UNITS APPROVED, By State: Original

<i>State/Territory</i>	<i>New houses</i>	<i>New other residential building</i>	<i>Alterations and additions to residential buildings</i>	<i>Conversion(a)</i>	<i>Non-residential building(a)</i>	<i>Total dwelling units</i>
<i>no.</i>	<i>no.</i>	<i>no.</i>	<i>no.</i>	<i>no.</i>	<i>no.</i>	<i>no.</i>
<b>PRIVATE SECTOR</b>						
New South Wales	2 605	1 405	17	44	1	4 072
Victoria	2 785	868	6	49	33	3 741
Queensland	1 916	840	2	1	3	2 762
South Australia	667	109	0	0	1	777
Western Australia	1 630	141	5	0	1	1 777
Tasmania	132	8	0	0	0	140
Northern Territory	70	6	0	0	0	76
Australian Capital Territory	98	29	0	0	0	127
Australia	9 903	3 406	30	94	39	13 472
<b>PUBLIC SECTOR</b>						
New South Wales	19	116	0	0	0	135
Victoria	83	15	0	0	0	98
Queensland	22	6	0	0	0	28
South Australia	14	3	0	0	0	17
Western Australia	13	29	0	0	0	42
Tasmania	0	0	0	0	0	0
Northern Territory	28	6	0	0	0	34
Australian Capital Territory	0	0	0	0	0	0
Australia	179	175	0	0	0	354
<b>TOTAL</b>						
New South Wales	2 624	1 521	17	44	1	4 207
Victoria	2 868	883	6	49	33	3 839
Queensland	1 938	846	2	1	3	2 790
South Australia	681	112	0	0	1	794
Western Australia	1 643	170	5	0	1	1 819
Tasmania	132	8	0	0	0	140
Northern Territory	98	12	0	0	0	110
Australian Capital Territory	98	29	0	0	0	127
Australia	10 082	3 581	30	94	39	13 826

(a) See Glossary for definition.

## VALUE OF BUILDING APPROVED, By State: Original

State/Territory	New houses \$m	New other residential building \$m	Alterations and additions creating dwellings \$m	Alterations and additions not creating dwellings \$m	Conversion(a) \$m	Total residential building \$m	Non-residential building (a) \$m	Total building \$m
<b>PRIVATE SECTOR</b>								
New South Wales	359.7	134.6	1.8	105.1	5.5	606.7	230.4	837.1
Victoria	372.8	100.5	0.4	91.3	4.9	570.0	182.0	751.9
Queensland	228.2	88.8	0.1	30.8	0.0	347.9	130.3	478.2
South Australia	68.1	10.0	0.0	13.8	0.0	91.9	20.9	112.8
Western Australia	187.4	15.3	0.6	17.9	0.0	221.1	69.8	291.0
Tasmania	12.9	0.6	0.0	3.9	0.0	17.4	8.4	25.8
Northern Territory	9.2	0.7	0.0	2.0	0.0	11.8	6.7	18.5
Australian Capital Territory	12.9	3.3	0.0	5.8	0.0	22.0	6.8	28.8
Australia	1 251.1	353.8	2.9	270.5	10.5	1 888.8	655.2	2 544.0
<b>PUBLIC SECTOR</b>								
New South Wales	2.0	21.1	0.0	0.0	0.0	23.1	35.6	58.7
Victoria	7.0	1.4	0.0	1.0	0.0	9.4	54.8	64.2
Queensland	3.0	0.6	0.0	1.2	0.0	4.8	21.3	26.1
South Australia	1.4	0.2	0.0	0.2	0.0	1.8	10.7	12.5
Western Australia	1.4	2.1	0.0	0.4	0.0	4.0	65.4	69.4
Tasmania	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
Northern Territory	3.7	0.7	0.0	0.7	0.0	5.1	4.1	9.3
Australian Capital Territory	0.0	0.0	0.0	0.0	0.0	0.0	6.6	6.6
Australia	18.6	26.1	0.0	3.6	0.0	48.3	199.6	247.8
<b>TOTAL</b>								
New South Wales	361.7	155.7	1.8	105.1	5.5	629.8	265.9	895.8
Victoria	379.9	101.9	0.4	92.3	4.9	579.4	236.8	816.2
Queensland	231.2	89.4	0.1	32.0	0.0	352.7	151.6	504.3
South Australia	69.4	10.2	0.0	14.0	0.0	93.7	31.6	125.2
Western Australia	188.9	17.4	0.6	18.3	0.0	225.1	135.3	360.4
Tasmania	12.9	0.6	0.0	4.0	0.0	17.4	9.4	26.8
Northern Territory	12.9	1.4	0.0	2.6	0.0	17.0	10.8	27.8
Australian Capital Territory	12.9	3.3	0.0	5.8	0.0	22.0	13.4	35.4
Australia	1 269.7	379.9	2.9	274.1	10.5	1 937.1	854.8	2 791.9

(a) See Glossary for definition.

## VALUE OF NON-RESIDENTIAL BUILDING APPROVED, By State: Original

State/Territory	Hotels, motels and other short term accommodation	Shops	Factories	Offices	Other business premises	Educational	Religious	Health	Entertain- ment and recreational	Miscell- aneous	Total non- residential building
	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m	\$m
PRIVATE SECTOR											
New South Wales	67.2	26.5	28.6	40.6	30.4	1.9	2.5	6.9	24.8	1.2	230.4
Victoria	1.3	54.9	20.3	40.0	24.2	11.8	1.0	8.6	9.9	10.0	182.0
Queensland	3.4	35.8	23.7	9.4	16.5	5.5	0.2	17.1	3.5	15.1	130.3
South Australia	0.2	3.1	4.2	1.8	6.8	1.6	0.0	1.6	0.9	0.8	20.9
Western Australia	1.3	13.0	16.2	5.4	9.2	10.5	2.1	7.7	1.0	3.3	69.8
Tasmania	0.7	3.2	0.5	0.5	0.9	0.4	0.0	1.0	0.8	0.5	8.4
Northern Territory	1.7	2.0	0.0	1.2	0.5	0.0	0.1	0.0	1.2	0.0	6.7
Australian Capital Territory	0.0	1.1	0.0	4.6	0.0	0.0	0.0	0.0	1.1	0.0	6.8
Australia	75.8	139.7	93.4	103.5	88.5	31.7	5.9	42.7	43.3	30.9	655.2
PUBLIC SECTOR											
New South Wales	0.1	0.1	1.3	3.7	9.8	9.7	0.0	0.8	3.2	7.0	35.6
Victoria	0.0	0.0	0.0	0.9	1.9	27.3	0.0	22.5	0.8	1.4	54.8
Queensland	0.0	0.1	0.4	7.1	1.1	5.3	0.0	0.4	0.8	6.3	21.3
South Australia	0.0	0.0	0.0	8.6	0.6	0.9	0.0	0.4	0.1	0.1	10.7
Western Australia	0.0	0.0	2.7	16.2	0.1	36.2	0.0	1.7	0.3	8.2	65.4
Tasmania	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.6	0.0	0.0	1.0
Northern Territory	0.0	0.0	0.0	2.8	0.1	0.4	0.0	0.4	0.4	0.2	4.1
Australian Capital Territory	0.0	0.0	0.0	2.1	0.0	4.5	0.0	0.0	0.0	0.0	6.6
Australia	0.1	0.2	4.4	41.5	13.5	84.4	0.0	26.8	5.6	23.1	199.6
TOTAL											
New South Wales	67.3	26.6	29.9	44.3	40.1	11.6	2.5	7.6	28.0	8.2	265.9
Victoria	1.3	54.9	20.3	40.8	26.1	39.0	1.0	31.1	10.7	11.5	236.8
Queensland	3.4	35.9	24.0	16.5	17.6	10.8	0.2	17.5	4.3	21.4	151.6
South Australia	0.2	3.1	4.2	10.4	7.4	2.5	0.0	2.0	1.0	0.9	31.6
Western Australia	1.3	13.0	18.9	21.6	9.3	46.8	2.1	9.4	1.3	11.5	135.3
Tasmania	0.7	3.2	0.5	0.7	0.9	0.6	0.0	1.6	0.8	0.5	9.4
Northern Territory	1.7	2.0	0.0	3.9	0.6	0.4	0.1	0.4	1.7	0.2	10.8
Australian Capital Territory	0.0	1.1	0.0	6.7	0.0	4.5	0.0	0.0	1.1	0.0	13.4
Australia	75.9	139.8	97.7	144.9	101.9	116.1	5.9	69.5	48.9	54.1	854.8

# EXPLANATORY NOTES

## INTRODUCTION

**1** This publication presents monthly details of building work approved.

## SCOPE AND COVERAGE

**2** Statistics of building work approved are compiled from:

- permits issued by local government authorities;
- permits issued by licensed building surveyors;
- contracts let or day labour work authorised by Commonwealth, State, semi-government and local government authorities;
- major building activity in areas not subject to normal administrative approval e.g. building on remote mine sites.

**3** The scope of the survey comprises the following activities:

- construction of new buildings
- alterations and additions to existing buildings
- approved non-structural renovation and refurbishment work
- approved installation of integral building fixtures

From July 1990, the statistics include:

- all approved new residential building valued at \$10,000 or more
- approved alterations and additions to residential building valued at \$10,000 or more
- all approved non-residential building jobs valued at \$50,000 or more.

Excluded from the statistics is:

- construction activity not defined as building (e.g. construction of roads, bridges, railways, earthworks, etc.). Statistics for this activity can be found in *Engineering Construction Activity, Australia* (Cat. no. 8762.0).

## VALUE DATA

**4** Value data are derived by aggregation of the estimated value of building work when completed as reported on approval documents. Such value data excludes the value of land and landscaping but includes site preparation. These estimates are usually a reliable indicator of the completed value of 'houses'. However, for 'other residential buildings' and 'non-residential buildings', these estimates can differ significantly from the completed value of the building.

## OWNERSHIP

**5** Building ownership is classified as either public or private sector and is based on the sector of intended owner of the completed building at the time of approval. Residential buildings constructed by private sector builders under government housing authority schemes are classified as public sector when the authority has contracted, or intends to contract, to purchase the building on or before completion.

## BUILDING CLASSIFICATIONS

**6** Building approvals are classified both by the Type of Building (e.g. 'house', 'factory') and by the Type of Work involved (e.g. 'new', 'alterations and additions'). These classifications are often used in conjunction with each other to describe building approvals in this publication.

**7** The Type of Building classification refers to the intended major function of a building. A building which is ancillary to other buildings or forms a part of a group of related buildings is classified to the function of the building, not to the function of the group as a whole.

## EXPLANATORY NOTES

### BUILDING CLASSIFICATIONS

*continued*

**8** An example is the treatment of building work approved for a factory complex. For instance, a detached administration building would be classified to Offices, a detached cafeteria building to Shops, while the factory buildings would be classified to Factories.

**9** An exception to this rule is the treatment of group accommodation buildings. For example, a student accommodation building on a university campus would be classified to Education.

**10** In the case of a large multi-function building, i.e. a single large physical building which, at the time of approval is intended to have more than one purpose (e.g. a hotel/shops/casino project), the ABS endeavours to split the approval details according to each main function.

**11** Where this is not possible because separate details cannot be obtained, the building is classified to the predominant function of the building on the basis of the function which represents the highest proportion of the total value of the project.

**12** The Type of Work classification refers to the building activity carried out: New; Alterations and additions; or Conversion. See the Glossary for definitions of these terms. Prior to the January 1998 issue of this publication, Conversions were published as part of a category called 'Conversions, etc.'. From the January 1998 issue onwards, Conversion jobs are shown separately in tables 7, 8, 12 and 13. However, in other tables they are included within existing categories, as follows: in tables 1 and 2 they are included in the appropriate Type of Building category, and in tables 3, 4 and 10 they are included in the 'Alterations and additions to residential buildings' category.

### SEASONAL ADJUSTMENT

**13** Seasonal adjustment is a means of removing the estimated effects of seasonal variation from the series so that the effects of other influences can be more clearly recognised.

**14** In the seasonal adjustment of series, account has been taken of both normal seasonal factors and 'trading day' effects arising from the varying numbers of Sundays, Mondays, Tuesdays, etc. in the month. Adjustment has also been made for the influence of Easter which may affect the March and April estimates differently.

**15** Seasonal adjustment does not remove from the series the effect of irregular or non-seasonal influences (e.g. the approval of large projects or a change in the administrative arrangements of approving authorities).

**16** Some of the component series have been seasonally adjusted independently. Therefore, the adjusted components may not add to the adjusted totals.

**17** As happens with all seasonally adjusted series, the seasonal factors are reviewed annually to take account of each additional year's data. The timing of this review may vary and when appropriate will be notified in the 'Data Notes' section of this publication.

## EXPLANATORY NOTES

### TREND ESTIMATES

**18** Smoothing seasonally adjusted series reduces the impact of the irregular component of the seasonally adjusted series and creates trend estimates. For monthly series, these trend estimates are derived by applying a 13-term Henderson-weighted moving average to all months of the respective seasonally adjusted series except the last six months. Trend series are created for the last six months by applying surrogates of the Henderson moving average to the seasonally adjusted series. For the quarterly, chain volume measures, trend series shown in table 10, the trend estimates are derived by applying a 7-term Henderson-weighted moving average to all quarters of the respective seasonally adjusted series except the last three quarters. Trend series are created for these last three quarters by applying surrogates of the Henderson moving average seasonally adjusted series. For further information, see *A Guide to Interpreting Time Series—Monitoring 'Trends': an Overview* (Cat. no. 1348.0) or contact the Assistant Director, Time Series Analysis on (02) 6252 6345.

**19** While the smoothing techniques described in paragraph 18 enable trend estimates to be produced for the latest few periods, they do result in revisions to the trend estimates as new data becomes available. Generally, revisions become smaller over time and, after three months, usually have a negligible impact on the series. Revisions to the original data and re-analysis of seasonal factors may also lead to revisions to the trend.

### CHAIN VOLUME MEASURES

**20** The chain volume measures appearing in this publication are annually reweighted chain Laspeyres indexes referenced to current price values in a chosen reference year (currently 1997–98). The reference year will be updated annually in the July publication. While current price estimates reflect both price and volume changes, chain volume estimates measure changes in value after the direct effects of price changes have been eliminated and therefore only reflect volume changes.

**21** Further information on the nature and concepts of chain volume measures is contained in the ABS publication *Information Paper: Introduction of Chain Volume Measures in the Australian National Accounts* (Cat. no. 5248.0).

### UNPUBLISHED DATA

**22** The ABS can also make available certain building approvals data which are not published. Where the data cannot be provided by telephone, it can be provided via fax, photocopy, computer printout, floppy disk and email. A charge may be made for providing unpublished data in these forms.

### RELATED PUBLICATIONS

**23** Users may also wish to refer to the following publications:

- *Building Activity, Australia: Dwelling Unit Commencements* (Cat. no. 8750.0)
- *Building Activity, Australia* (Cat. no. 8752.0)
- *Building Activity, Building Work Done, Australia* (Cat. no. 8755.0)
- *Building Approvals* (Cat. No. 8731.1–8731.7)
- *Engineering Construction Activity, Australia* (Cat. no. 8762.0)
- *House Price Indexes: Eight Capital Cities* (Cat. no. 6416.0)
- *Housing Finance for Owner Occupation, Australia* (Cat. no. 5609.0)
- *Price Index of Materials Used in Building Other than House Building* (Cat. no. 6407.0)
- *Price Index of Materials Used in House Building* (Cat. no. 6408.0).

### ROUNDING

When figures have been rounded, discrepancies may occur between sums of the component items and totals.

### SYMBOLS AND OTHER USAGES

n.a. not available  
n.y.a. not yet available

## G L O S S A R Y

<b>Alterations and additions</b>	Building activity carried out on existing buildings. Includes adding to or diminishing floor area, altering the structural design of a building and affixing rigid components which are integral to the functioning of the building.
<b>Alterations and additions to residential buildings</b>	Alterations and additions carried out on existing residential buildings, which may result in the creation of new dwelling units. See also Explanatory Notes paragraph 12.
<b>Building</b>	A building is a rigid, fixed and permanent structure which has a roof. Its intended purpose is primarily to house people, plant, machinery, vehicles, goods or livestock. An integral feature of a building's design is the provision for regular access by persons in order to satisfy its intended use.
<b>Conversion</b>	Building activity which converts a non-residential building to a residential building, e.g. conversion of a warehouse to residential apartments. Conversion is considered to be a special type of alteration, and these jobs have been separately identified as such from the July 1996 reference month, though they have only appeared separately in this publication from the January 1998 issue. Prior to that issue, conversions were published as part of the 'Conversions, etc.' category or included elsewhere within a table. Prior to July 1996, Table 7 includes the number of Conversions in the 'Alterations and additions to residential buildings' category while Table 8 includes the value of Conversions in the 'Alterations and additions to residential buildings, creating dwellings' category. See also Explanatory Notes paragraph 12.
<b>Dwelling unit</b>	A dwelling unit is a self-contained suite of rooms, including cooking and bathing facilities and intended for long-term residential use. Regardless of whether they are self-contained or not, units within buildings offering institutional care (e.g. hospitals) or temporary accommodation (e.g. motels, hostels and holiday apartments) are not defined as dwelling units. Such units are included in the appropriate category of non-residential building approvals. Dwelling units can be created in one of four ways: through new work to create a residential building; through alteration/addition work to an existing residential building; through either new or alteration/addition work on non-residential building or through conversion of a non-residential building to a residential building.
<b>Educational</b>	Includes schools, colleges, kindergartens, libraries, museums and universities.
<b>Entertainment and recreational</b>	Includes clubs, cinemas, sport and recreation centres.
<b>Factories</b>	Includes paper mills, oil refinery buildings, brickworks and powerhouses.
<b>Flats, units or apartments</b>	Dwellings not having their own private grounds and usually sharing a common entrance, foyer or stairwell.
<b>Health</b>	Includes hospitals, nursing homes, surgeries, clinics and medical centres.
<b>Hotels, motels and other short term accommodation</b>	Includes hostels, boarding houses, guest houses, and holiday apartment buildings.
<b>House</b>	A house is a detached building primarily used for long term residential purposes. It consists of one dwelling unit. For instance, detached 'granny flats' and detached dwelling units (e.g. caretakers residences) associated with a non-residential building are defined as houses.



## GLOSSARY

---

<b>Miscellaneous</b>	Includes justice and defence buildings, welfare and charitable homes, prisons and reformatories, maintenance camps, farming and livestock buildings, veterinary clinics, child-minding centres, police stations and public toilets.
<b>New building work</b>	Building activity which will result in the creation of a building which previously did not exist.
<b>New other residential buildings</b>	Building activity which will result in the creation of a residential building other than a house, which previously did not exist.
<b>New residential</b>	Building activity which will result in the creation of any residential building (house or other residential) which previously did not exist.
<b>Non-residential building</b>	A non-residential building is primarily intended for purposes other than long term residential purposes. Note that, on occasions, one or more dwelling units may be created through non-residential building activity. Prior to the January 1998 issue of this publication, they have been included in the 'Conversions, etc.' column in tables showing dwelling units approved. They are now identified separately (e.g. see table 7). However, the value of these dwelling units cannot be separated out from that of the non-residential building which they are part of, therefore the value associated with these remain in the appropriate Non-residential category.
<b>Offices</b>	Includes banks, post offices and council chambers.
<b>Other business premises</b>	Includes warehouses, service stations, transport depots and terminals, electricity substation buildings, telephone exchanges, broadcasting and film studios.
<b>Other dwellings</b>	Includes all dwellings other than houses. They can be created by: the creation of new other residential buildings (e.g. flats); alteration/addition work to an existing residential building; either new or alteration/addition work on a non-residential building; conversion of a non-residential building to a residential building creating more than one dwelling unit.
<b>Other residential building</b>	An other residential building is a building other than a house primarily used for long-term residential purposes. An other residential building contains more than one dwelling unit. Other residential buildings are coded to the following categories: semi-detached, row or terrace house or townhouse with one storey; semi-detached, row or terrace house or townhouse with two or more storeys; flat, unit or apartment in a building of one or two storeys; flat, unit or apartment in a building of three storeys; flat, unit or apartment in a building of four or more storeys; flat, unit or apartment attached to a house; other/number of storeys unknown. The latter two categories are included with the semi-detached, row or terrace house or townhouse with one storey category in table 9 of this publication.
<b>Religious</b>	Includes convents, churches, temples, mosques, monasteries and noviciates.
<b>Residential building</b>	A residential building is a building consisting of one or more dwelling units. Residential buildings can be either houses or other residential buildings.
<b>Semi-detached, row or terrace houses, townhouses</b>	Dwellings having their own private grounds with no other dwellings above or below.
<b>Shops</b>	Includes retail shops, restaurants, taverns and shopping arcades.





## SELF-HELP ACCESS TO STATISTICS

- CPI INFOLINE* For current and historical Consumer Price Index data, call 1902 981 074 (call cost 75c 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 75c per minute).
- INTERNET* [www.abs.gov.au](http://www.abs.gov.au)
- LIBRARY* A range of ABS publications is available from public and tertiary libraries Australia-wide. Contact your nearest library to determine whether it has the ABS statistics you require.

## WHY NOT SUBSCRIBE?

- PHONE* +61 1300 366 323
- FAX* +61 03 9615 7848

## CONSULTANCY SERVICES

ABS offers consultancy services on a user pays basis to help you access published and unpublished data. Data that is already published and can be provided within 5 minutes is free of charge. Statistical methodological services are also available. Please contact:

<i>INQUIRIES</i>	<i>City</i>	<i>By phone</i>	<i>By fax</i>
	Canberra	02 6252 6627	02 6207 0282
	Sydney	02 9268 4611	02 9268 4668
	Melbourne	03 9615 7755	03 9615 7798
	Brisbane	07 3222 6351	07 3222 6283
	Perth	08 9360 5140	08 9360 5955
	Adelaide	08 8237 7400	08 8237 7566
	Hobart	03 6222 5800	03 6222 5995
	Darwin	08 8943 2111	08 8981 1218

*POST* Client Services, ABS, PO Box 10, Belconnen ACT 2616

*EMAIL* [client.services@abs.gov.au](mailto:client.services@abs.gov.au)



2873100010990  
ISSN 1031-0177

RRP \$17.00