



# BUILDING APPROVALS

WESTERN AUSTRALIA

EMBARGO: 11:30AM (CANBERRA TIME) TUES 6 AUG 2002

## JUNE KEY FIGURES

	Apr 2002	May 2002	Jun 2002
Dwelling units approved			
Original	1 722	1 939	1 702
Seasonally adjusted	1 648	1 680	1 574
Trend	1 643	1 628	1 619
.....			
	% change Mar 2002 to Apr 2002	% change Apr 2002 to May 2002	% change May 2002 to Jun 2002
Dwelling units approved			
Original	25.5	12.6	-12.2
Seasonally adjusted	2.5	2.0	-6.3
Trend	-1.0	-0.9	-0.5

## JUNE KEY POINTS

### TREND ESTIMATES

- The trend estimate for total dwelling units approved fell 1.0% in April, 0.9% in May and 0.5% in June 2002. The trend has decreased for the past eight months, following nine monthly increases in the series.
- The trend estimate for private sector houses has fallen in each of the past seven months.

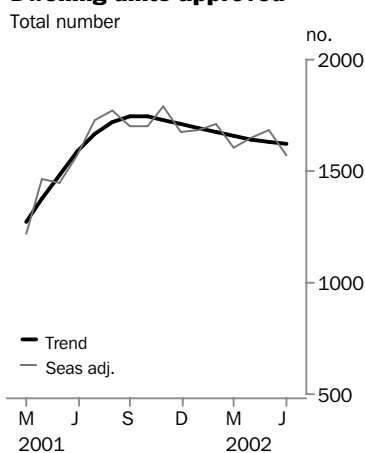
### SEASONALLY ADJUSTED ESTIMATES

- The seasonally adjusted estimate for total dwelling units approved fell by 6.3% in June 2002 following rises of 2.5% and 2.0% in April and May 2002 respectively. The seasonally adjusted estimates for total dwellings in each month of the June 2002 quarter were all higher than those in the same three months in 2001.
- The seasonally adjusted estimate for private sector houses approved in each month of the June 2002 quarter were all more than 6% higher than those in the same three months in 2001.

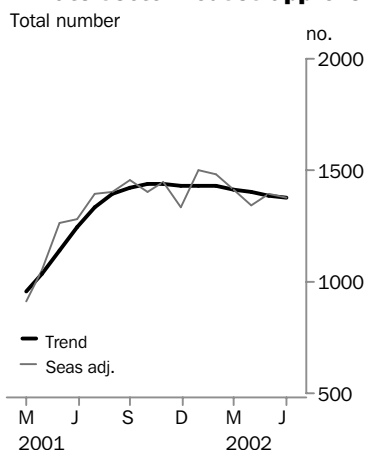
### ORIGINAL ESTIMATES

- In original terms the total number of dwellings approved in the June 2002 quarter rose to 5,363, an increase of 20.4% on the March 2002 quarter estimate.
- The total value of building work approved in the June 2002 quarter was \$1,081.9 million, 29.6% higher than the March 2002 quarter. The value of residential and non-residential building in the same period both rose, by 20.7% and 59.9% respectively.

### Dwelling units approved



### Private sector houses approved



- For further information about these and related statistics, contact Andrea Woods on Adelaide 08 8237 7350 or the National Information and Referral Service on 1300 135 070.

# NOTES

## FORTHCOMING ISSUES

<i>ISSUE</i>	<i>RELEASE DATE</i>
September 2002	7 November 2002
December 2002	10 February 2003

## CHANGES IN THIS ISSUE

There are no changes in this issue.

## DATA NOTES

Seasonally adjusted and trend estimates to May 2002 have been revised as a result of the annual reanalysis and subsequent refinement of seasonal factors. See paragraph 23 of the Explanatory Notes.

## REVISIONS THIS QUARTER

The following is a summary of revisions made to total dwellings since the last issue of this publication, mainly as a result of receiving previously unreported data.

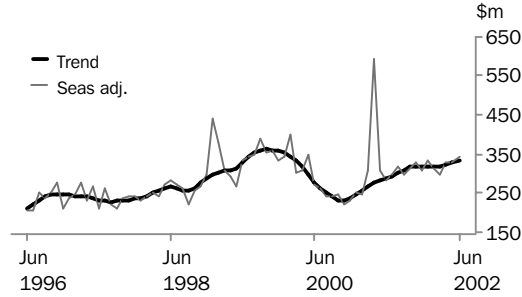
	2000-2001	2001-2002	Total
Western Australia	+ 6	+ 2	+8

Colin Nagle  
Regional Director, Western Australia

# VALUE OF BUILDINGS APPROVED

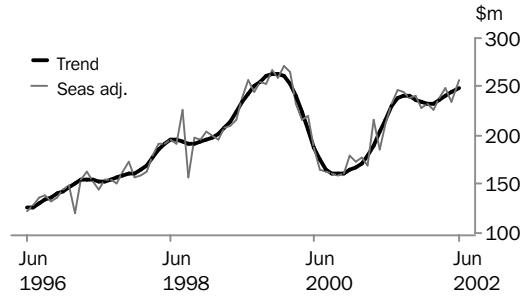
## VALUE OF TOTAL BUILDING

The trend estimate for the value of total building approved has risen for the past five months following two months of decline.



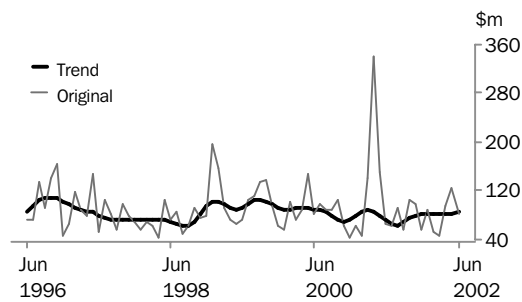
## VALUE OF RESIDENTIAL BUILDING

After four months of decline, the trend estimate for the value of residential building has risen for the past five consecutive months.



## VALUE OF NON-RESIDENTIAL BUILDING

The trend estimate for the value of non-residential building approved has risen in each month of the June 2002 quarter following decreases in February and March 2002.



# SUMMARY OF 2001–2002 BUILDING APPROVALS

## DWELLING UNITS APPROVED

The number of dwelling units approved in 2000–2001 and 2001–2002 and the percentage movement between 2000–2001 and 2001–2002 for Western Australia is summarised below.

	2000–2001	2001–2002	2000–2001 to 2001–2002
	<i>no.</i>	<i>no.</i>	<i>% change</i>
New residential building	14 599	20 025	37.2
Alterations and additions to residential buildings	148	54	–63.5
Conversions	345	67	–80.6
Non-residential building	42	66	57.1
<b>Total dwelling units</b>	<b>15 134</b>	<b>20 212</b>	<b>33.6</b>

The total number of dwellings approved in 2001–2002 increased by 5,078 (33.6%) compared with 2000–2001.

## VALUE OF BUILDING APPROVED

The value of building approved in 2000–2001 and 2001–2002 and the percentage movement between 2000–2001 and 2001–2002 for Western Australia is summarised below.

	2000–2001	2001–2002	2000–2001 to 2001–2002
	<i>\$m</i>	<i>\$m</i>	<i>% change</i>
New residential building	1 841.9	2 592.6	40.8
Alterations and additions creating dwellings	14.7	4.7	–67.8
Alterations and additions not creating dwellings	209.4	239.8	14.5
Conversions	46.0	13.5	–70.6
Non-residential building	1 295.2	967.0	–25.3
<b>Total building</b>	<b>3 407.3</b>	<b>3 817.7</b>	<b>12.0</b>

The value of total building approved increased by 12.0% to \$3,817.7 million in 2001–2002 compared with the previous year. New residential building rose by \$750.7 million (40.8%) while non-residential building decreased by \$328.2 million (–25.3%).

# WHAT IF...? REVISIONS TO TREND ESTIMATES

## EFFECT OF NEW SEASONALLY ADJUSTED ESTIMATES ON TREND ESTIMATES

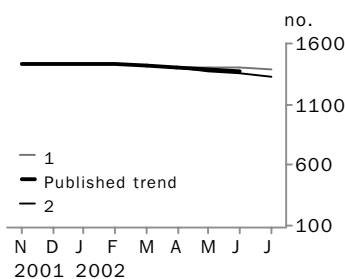
Readers should exercise care when interpreting trend estimates. The last six trend estimates, in particular, are likely to be revised when new seasonally adjusted estimates become available.

### 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.

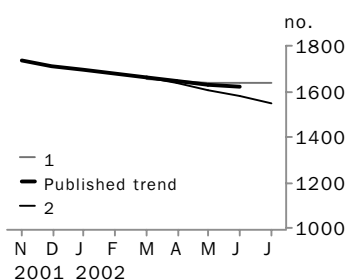
The graphs and tables which follow present the effect of two possible scenarios on the previous trend estimates: that the July seasonally adjusted estimate is higher than the June estimate by 6% for the number of private sector houses approved and 7% for total dwelling units approved; and that the July seasonally adjusted estimate is lower than the June estimate by 6% for the number of private sector houses approved and 7% for total 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 6% on Jun 2002</i>		<b>2</b> <i>falls by 6% on Jun 2002</i>	
	no.	% change	no.	% change	no.	% change
February 2002	1 427	-0.4	1 425	-0.5	1 430	-0.3
March 2002	1 416	-0.7	1 415	-0.7	1 418	-0.9
April 2002	1 402	-1.0	1 405	-0.7	1 397	-1.4
May 2002	1 386	-1.1	1 398	-0.5	1 373	-1.7
June 2002	1 376	-0.7	1 397	-0.1	1 351	-1.6
July 2002	n.y.a.	n.y.a.	1 392	-0.3	1 323	-2.1

### TOTAL DWELLING UNITS



	TREND AS PUBLISHED		WHAT IF NEXT MONTH'S SEASONALLY ADJUSTED ESTIMATE:			
	no.	% change	<b>1</b> <i>rises by 7% on Jun 2002</i>		<b>2</b> <i>falls by 7% on Jun 2002</i>	
	no.	% change	no.	% change	no.	% change
February 2002	1 676	-1.0	1 673	-1.0	1 681	-0.9
March 2002	1 659	-1.0	1 657	-0.9	1 661	-1.2
April 2002	1 643	-1.0	1 646	-0.7	1 636	-1.5
May 2002	1 628	-0.9	1 640	-0.4	1 608	-1.7
June 2002	1 619	-0.5	1 639	-0.1	1 578	-1.9
July 2002	n.y.a.	n.y.a.	1 637	-0.1	1 545	-2.1

## 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>Total</i>
	<i>no.</i>	<i>no.</i>	<i>no.</i>	<i>no.</i>	<i>no.</i>	<i>no.</i>
ORIGINAL						
<b>2001</b>						
April	880	884	303	419	1 183	1 303
May	1 399	1 418	184	306	1 583	1 724
June	1 336	1 365	251	414	1 587	1 779
July	1 450	1 501	170	247	1 620	1 748
August	1 577	1 609	215	245	1 792	1 854
September	1 362	1 389	158	182	1 520	1 571
October	1 489	1 550	176	199	1 665	1 749
November	1 643	1 661	320	355	1 963	2 016
December	1 259	1 278	130	180	1 389	1 458
<b>2002</b>						
January	1 307	1 350	164	185	1 471	1 535
February	1 341	1 390	135	156	1 476	1 546
March	1 173	1 241	125	131	1 298	1 372
April	1 367	1 417	260	305	1 627	1 722
May	1 563	1 595	298	344	1 861	1 939
June	1 338	1 392	237	310	1 575	1 702
SEASONALLY ADJUSTED						
<b>2001</b>						
April	1 051	1 060	n.a.	n.a.	1 343	1 468
May	1 266	1 285	n.a.	n.a.	1 303	1 444
June	1 284	1 293	n.a.	n.a.	1 396	1 568
July	1 396	1 487	n.a.	n.a.	1 559	1 727
August	1 406	1 437	n.a.	n.a.	1 713	1 774
September	1 452	1 486	n.a.	n.a.	1 647	1 705
October	1 404	1 460	n.a.	n.a.	1 621	1 700
November	1 443	1 469	n.a.	n.a.	1 731	1 792
December	1 334	1 366	n.a.	n.a.	1 594	1 676
<b>2002</b>						
January	1 498	1 567	n.a.	n.a.	1 592	1 682
February	1 483	1 549	n.a.	n.a.	1 625	1 712
March	1 412	1 489	n.a.	n.a.	1 524	1 607
April	1 345	1 446	n.a.	n.a.	1 502	1 648
May	1 394	1 430	n.a.	n.a.	1 598	1 680
June	1 373	1 389	n.a.	n.a.	1 485	1 574
TREND ESTIMATES						
<b>2001</b>						
April	1 036	1 054	204	319	1 240	1 373
May	1 136	1 161	205	323	1 341	1 484
June	1 243	1 276	204	311	1 447	1 587
July	1 334	1 374	210	296	1 544	1 670
August	1 394	1 437	221	283	1 615	1 720
September	1 425	1 468	233	274	1 658	1 742
October	1 436	1 477	237	267	1 673	1 744
November	1 437	1 479	227	252	1 664	1 731
December	1 434	1 483	204	228	1 638	1 711
<b>2002</b>						
January	1 433	1 492	174	200	1 607	1 692
February	1 427	1 493	156	183	1 583	1 676
March	1 416	1 484	145	175	1 561	1 659
April	1 402	1 466	141	177	1 543	1 643
May	1 386	1 443	140	185	1 526	1 628
June	1 376	1 423	143	196	1 519	1 619

## DWELLING UNITS APPROVED, Percentage Change

Month	HOUSES.....		OTHER DWELLINGS.....		TOTAL DWELLING UNITS.	
	Private sector	Total	Private sector	Total	Private sector	Total
ORIGINAL (% change from preceding month)						
<b>2001</b>						
April	-1.1	-3.0	106.1	56.9	14.1	10.6
May	59.0	60.4	-39.3	-27.0	33.8	32.3
June	-4.5	-3.7	36.4	35.3	0.3	3.2
July	8.5	10.0	-32.3	-40.3	2.1	-1.7
August	8.8	7.2	26.5	-0.8	10.6	6.1
September	-13.6	-13.7	-26.5	-25.7	-15.2	-15.3
October	9.3	11.6	11.4	9.3	9.5	11.3
November	10.3	7.2	81.8	78.4	17.9	15.3
December	-23.4	-23.1	-59.4	-49.3	-29.2	-27.7
<b>2002</b>						
January	3.8	5.6	26.2	2.8	5.9	5.3
February	2.6	3.0	-17.7	-15.7	0.3	0.7
March	-12.5	-10.7	-7.4	-16.0	-12.1	-11.3
April	16.5	14.2	108.0	132.8	25.3	25.5
May	14.3	12.6	14.6	12.8	14.4	12.6
June	-14.4	-12.7	-20.5	-9.9	-15.4	-12.2
SEASONALLY ADJUSTED (% change from preceding month)						
<b>2001</b>						
April	15.2	13.1	n.a.	n.a.	25.2	20.6
May	20.4	21.2	n.a.	n.a.	-3.0	-1.6
June	1.4	0.6	n.a.	n.a.	7.1	8.6
July	8.7	15.0	n.a.	n.a.	11.7	10.1
August	0.7	-3.4	n.a.	n.a.	9.9	2.8
September	3.3	3.4	n.a.	n.a.	-3.9	-3.9
October	-3.3	-1.7	n.a.	n.a.	-1.6	-0.3
November	2.8	0.6	n.a.	n.a.	6.8	5.4
December	-7.5	-7.0	n.a.	n.a.	-7.9	-6.5
<b>2002</b>						
January	12.2	14.7	n.a.	n.a.	-0.1	0.4
February	-1.0	-1.1	n.a.	n.a.	2.1	1.8
March	-4.8	-3.9	n.a.	n.a.	-6.2	-6.2
April	-4.8	-2.9	n.a.	n.a.	-1.4	2.5
May	3.6	-1.1	n.a.	n.a.	6.4	2.0
June	-1.5	-2.9	n.a.	n.a.	-7.1	-6.3
TREND ESTIMATES (% change from preceding month)						
<b>2001</b>						
April	8.2	8.5	2.5	6.7	7.3	8.1
May	9.7	10.2	0.5	1.3	8.1	8.1
June	9.4	9.9	-0.5	-3.7	7.9	7.0
July	7.3	7.7	2.9	-4.8	6.7	5.2
August	4.5	4.6	5.2	-4.4	4.6	3.0
September	2.2	2.2	5.4	-3.2	2.7	1.3
October	0.7	0.6	1.7	-2.6	0.9	0.1
November	0.0	0.1	-4.2	-5.6	-0.5	-0.7
December	-0.2	0.3	-10.1	-9.5	-1.6	-1.2
<b>2002</b>						
January	-0.1	0.6	-14.7	-12.3	-1.9	-1.1
February	-0.4	0.1	-10.3	-8.5	-1.5	-1.0
March	-0.7	-0.6	-7.1	-4.4	-1.4	-1.0
April	-1.0	-1.2	-2.8	1.1	-1.2	-1.0
May	-1.1	-1.6	-0.7	4.5	-1.1	-0.9
June	-0.7	-1.4	2.1	5.9	-0.5	-0.5

## 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>2001</b>					
April	145.6	39.4	185.0	339.4	524.4
May	196.8	30.0	226.8	151.0	377.7
June	206.3	18.4	224.7	66.3	291.0
July	225.3	18.1	243.4	64.0	307.3
August	223.8	23.7	247.5	93.5	341.0
September	204.5	22.5	227.0	57.8	284.8
October	221.7	27.1	248.8	104.8	353.6
November	245.9	22.1	268.0	99.2	367.2
December	174.8	15.1	190.0	56.8	246.8
<b>2002</b>					
January	197.2	17.2	214.3	88.2	302.6
February	205.0	17.5	222.5	53.1	275.6
March	190.8	18.4	209.3	47.6	256.8
April	238.8	18.5	257.4	95.2	352.6
May	244.8	26.7	271.5	125.9	397.4
June	219.9	31.2	251.1	80.9	331.9
SEASONALLY ADJUSTED					
<b>2001</b>					
April	167.7	47.7	215.5	n.a.	594.1
May	160.5	24.3	184.8	n.a.	307.6
June	189.4	23.5	212.9	n.a.	283.3
July	216.2	16.1	232.3	n.a.	298.0
August	224.7	21.5	246.3	n.a.	319.2
September	220.7	24.0	244.7	n.a.	299.5
October	214.6	24.2	238.8	n.a.	315.0
November	219.4	20.9	240.3	n.a.	329.7
December	209.2	18.9	228.1	n.a.	305.6
<b>2002</b>					
January	215.1	17.5	232.6	n.a.	332.9
February	207.8	18.5	226.3	n.a.	311.8
March	218.0	19.9	237.9	n.a.	298.6
April	231.9	17.5	249.4	n.a.	328.5
May	211.7	22.6	234.3	n.a.	331.1
June	214.9	42.1	257.1	n.a.	345.9
TREND ESTIMATES					
<b>2001</b>					
April	168.5	21.5	190.0	86.8	276.8
May	181.5	21.7	203.2	80.3	283.4
June	195.6	21.7	217.3	71.9	289.2
July	207.9	21.8	229.8	65.6	295.4
August	216.1	22.0	238.1	64.4	302.6
September	219.9	21.9	241.8	68.8	310.6
October	219.2	21.6	240.8	75.8	316.6
November	216.7	20.9	237.6	80.6	318.3
December	214.6	19.6	234.1	83.1	317.2
<b>2002</b>					
January	214.1	18.3	232.4	83.8	316.2
February	215.3	18.3	233.6	83.1	316.7
March	216.8	19.9	236.7	82.2	318.9
April	217.8	22.7	240.5	82.6	323.1
May	218.3	26.2	244.5	83.9	328.4
June	218.7	29.9	248.6	86.2	334.8

(a) Refer to Explanatory Notes paragraph 16.



## VALUE OF BUILDING APPROVED, Percentage Change

Month	New residential building	Alterations and additions to residential buildings(a)	Total residential building	Non-residential building	Total building
ORIGINAL (% change from preceding month)					
<b>2001</b>					
April	1.9	89.5	13.0	141.3	72.3
May	35.1	-24.0	22.6	-55.5	-28.0
June	4.9	-38.7	-0.9	-56.1	-22.9
July	9.2	-1.6	8.3	-3.6	5.6
August	-0.7	31.1	1.7	46.1	10.9
September	-8.6	-5.0	-8.3	-38.1	-16.5
October	8.4	20.4	9.6	81.3	24.2
November	10.9	-18.5	7.7	-5.3	3.8
December	-28.9	-31.5	-29.1	-42.8	-32.8
<b>2002</b>					
January	12.8	13.4	12.8	55.3	22.6
February	4.0	1.9	3.8	-39.8	-8.9
March	-6.9	5.4	-6.0	-10.4	-6.8
April	25.2	0.6	23.0	100.0	37.3
May	2.5	44.1	5.5	32.3	12.7
June	-10.2	16.6	-7.5	-35.8	-16.5
SEASONALLY ADJUSTED (% change from preceding month)					
<b>2001</b>					
April	11.6	146.7	27.0	n.a.	92.1
May	-4.3	-49.2	-14.3	n.a.	-48.2
June	18.0	-3.3	15.2	n.a.	-7.9
July	14.1	-31.2	9.1	n.a.	5.2
August	3.9	33.5	6.0	n.a.	7.1
September	-1.8	11.6	-0.6	n.a.	-6.2
October	-2.7	0.7	-2.4	n.a.	5.2
November	2.2	-13.6	0.6	n.a.	4.7
December	-4.6	-9.7	-5.1	n.a.	-7.3
<b>2002</b>					
January	2.8	-7.5	2.0	n.a.	8.9
February	-3.4	5.8	-2.7	n.a.	-6.3
March	4.9	7.4	5.1	n.a.	-4.2
April	6.4	-11.9	4.9	n.a.	10.0
May	-8.7	29.5	-6.1	n.a.	0.8
June	1.6	86.1	9.7	n.a.	4.5
TREND ESTIMATES (% change from preceding month)					
<b>2001</b>					
April	6.3	2.6	5.8	-1.6	3.4
May	7.7	0.7	6.9	-7.5	2.4
June	7.8	0.2	7.0	-10.5	2.0
July	6.3	0.5	5.7	-8.7	2.1
August	4.0	0.7	3.6	-1.8	2.4
September	1.7	-0.3	1.5	6.8	2.6
October	-0.3	-1.4	-0.4	10.2	1.9
November	-1.1	-3.1	-1.3	6.4	0.5
December	-1.0	-6.6	-1.5	3.0	-0.3
<b>2002</b>					
January	-0.2	-6.3	-0.7	0.9	-0.3
February	0.6	-0.2	0.5	-0.8	0.1
March	0.7	8.9	1.3	-1.0	0.7
April	0.5	14.0	1.6	0.4	1.3
May	0.2	15.2	1.6	1.7	1.6
June	0.2	14.1	1.7	2.7	2.0

(a) Refer to Explanatory Notes paragraph 16.

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

<i>Period</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>
PRIVATE SECTOR (Number)						
<b>1999-2000</b>	18 259	3 298	69	51	43	21 720
<b>2000-2001</b>	11 762	2 006	74	244	42	14 128
<b>2001-2002</b>	16 845	2 231	48	67	66	19 257
<b>2001</b>						
June	1 336	244	1	0	6	1 587
July	1 450	166	4	0	0	1 620
August	1 576	206	9	1	0	1 792
September	1 355	156	6	1	2	1 520
October	1 483	175	4	2	1	1 665
November	1 643	312	5	0	3	1 963
December	1 258	124	5	1	1	1 389
<b>2002</b>						
January	1 307	164	0	0	0	1 471
February	1 338	135	3	0	0	1 476
March	1 173	125	0	0	0	1 298
April	1 365	259	1	1	1	1 627
May	1 562	232	9	0	58	1 861
June	1 335	177	2	61	0	1 575
PUBLIC SECTOR (Number)						
<b>1999-2000</b>	394	770	28	0	4	1 196
<b>2000-2001</b>	200	631	74	101	0	1 006
<b>2001-2002</b>	504	445	6	0	0	955
<b>2001</b>						
June	29	158	5	0	0	192
July	51	77	0	0	0	128
August	32	30	0	0	0	62
September	27	24	0	0	0	51
October	61	23	0	0	0	84
November	18	34	1	0	0	53
December	19	50	0	0	0	69
<b>2002</b>						
January	43	21	0	0	0	64
February	49	17	4	0	0	70
March	68	5	1	0	0	74
April	50	45	0	0	0	95
May	32	46	0	0	0	78
June	54	73	0	0	0	127
TOTAL (Number)						
<b>1999-2000</b>	18 653	4 068	97	51	47	22 916
<b>2000-2001</b>	11 962	2 637	148	345	42	15 134
<b>2001-2002</b>	17 349	2 676	54	67	66	20 212
<b>2001</b>						
June	1 365	402	6	0	6	1 779
July	1 501	243	4	0	0	1 748
August	1 608	236	9	1	0	1 854
September	1 382	180	6	1	2	1 571
October	1 544	198	4	2	1	1 749
November	1 661	346	6	0	3	2 016
December	1 277	174	5	1	1	1 458
<b>2002</b>						
January	1 350	185	0	0	0	1 535
February	1 387	152	7	0	0	1 546
March	1 241	130	1	0	0	1 372
April	1 415	304	1	1	1	1 722
May	1 594	278	9	0	58	1 939
June	1 389	250	2	61	0	1 702

(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>1999-2000</b>	2 130.1	447.9	6.3	219.1	13.0	2 816.3	666.1	3 482.6
<b>2000-2001</b>	1 503.0	255.4	10.6	202.1	32.5	2 003.7	1 047.9	3 051.3
<b>2001-2002</b>	2 201.0	289.9	4.5	232.5	13.6	2 741.6	723.2	3 465.1
<b>2001</b>								
June	160.2	27.3	0.1	17.9	0.0	205.5	58.3	263.7
July	183.8	30.0	0.7	16.7	0.0	231.2	48.5	279.7
August	199.0	18.3	1.3	21.5	0.1	240.2	79.6	319.8
September	169.5	28.6	0.2	21.1	0.1	219.5	47.4	266.9
October	192.4	19.4	0.4	24.8	0.1	237.0	49.3	286.4
November	208.0	31.6	0.3	21.1	0.0	261.1	73.3	334.4
December	156.9	10.4	0.5	13.9	0.1	181.8	52.9	234.7
<b>2002</b>								
January	168.3	20.1	0.0	17.1	0.0	205.6	51.2	256.8
February	180.5	18.9	0.3	17.0	0.0	216.8	50.5	267.3
March	158.0	27.6	0.0	17.6	0.0	203.2	39.6	242.9
April	190.0	37.5	0.1	18.4	0.0	246.0	64.0	310.0
May	212.0	24.0	0.5	25.6	0.0	262.1	111.1	373.3
June	182.6	23.5	0.2	17.7	13.2	237.1	55.8	292.9
PUBLIC SECTOR (\$ million)								
<b>1999-2000</b>	43.6	65.5	1.2	4.7	0.0	114.9	535.0	649.7
<b>2000-2001</b>	24.8	58.7	4.0	7.3	13.6	108.6	247.6	355.8
<b>2001-2002</b>	60.3	41.1	0.2	7.0	0.0	109.0	244.0	352.7
<b>2001</b>								
June	3.9	14.9	0.2	0.1	0.0	19.2	8.1	27.3
July	4.7	6.8	0.0	0.7	0.0	12.2	15.5	27.6
August	3.2	3.3	0.0	0.8	0.0	7.3	13.9	21.2
September	4.0	2.4	0.0	1.1	0.0	7.5	10.4	17.9
October	8.2	1.7	0.0	1.8	0.0	11.8	55.5	67.3
November	3.5	2.7	0.1	0.5	0.0	6.9	26.0	32.8
December	2.5	5.0	0.0	0.6	0.0	8.2	3.9	12.1
<b>2002</b>								
January	7.1	1.6	0.0	0.0	0.0	8.8	37.1	45.8
February	4.2	1.4	0.0	0.1	0.0	5.7	2.6	8.3
March	4.8	0.4	0.1	0.7	0.0	6.0	8.0	14.0
April	6.6	4.7	0.0	0.0	0.0	11.4	31.2	42.6
May	4.1	4.7	0.0	0.6	0.0	9.3	14.8	24.1
June	7.4	6.4	0.0	0.1	0.0	13.9	25.1	39.0
TOTAL (\$ million)								
<b>1999-2000</b>	2 173.7	513.2	7.4	224.0	13.0	2 931.4	1 201.2	4 132.3
<b>2000-2001</b>	1 527.9	314.3	14.6	209.3	46.1	2 112.0	1 295.1	3 407.1
<b>2001-2002</b>	2 261.4	331.1	4.7	239.7	13.6	2 850.8	967.0	3 817.6
<b>2001</b>								
June	164.2	42.2	0.3	18.0	0.0	224.7	66.3	291.0
July	188.5	36.8	0.7	17.4	0.0	243.4	64.0	307.3
August	202.2	21.6	1.3	22.3	0.1	247.5	93.5	341.0
September	173.5	31.0	0.2	22.2	0.1	227.0	57.8	284.8
October	200.6	21.1	0.4	26.6	0.1	248.8	104.8	353.6
November	211.5	34.4	0.4	21.6	0.0	268.0	99.2	367.2
December	159.5	15.4	0.5	14.6	0.1	190.0	56.8	246.8
<b>2002</b>								
January	175.4	21.7	0.0	17.2	0.0	214.3	88.2	302.6
February	184.7	20.3	0.3	17.1	0.0	222.5	53.1	275.6
March	162.8	28.0	0.1	18.3	0.0	209.3	47.6	256.8
April	196.6	42.2	0.1	18.4	0.0	257.4	95.2	352.6
May	216.1	28.7	0.5	26.2	0.0	271.5	125.9	397.4
June	190.0	29.9	0.2	17.8	13.2	251.1	80.9	331.9

(a) See Glossary for definition.

## DWELLING UNITS APPROVED IN NEW RESIDENTIAL BUILDING(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 DWELLINGS										
<b>1999-2000</b>	18 653	1 539	649	2 188	716	251	913	1 880	4 068	22 721
<b>2000-2001</b>	11 962	1 228	473	1 701	162	157	617	936	2 637	14 599
<b>2001-2002</b>	17 349	1 453	458	1 911	251	231	283	765	2 676	20 025
<b>2001</b>										
April	882	179	60	239	68	0	0	68	307	1 189
May	1 410	171	27	198	0	15	9	24	222	1 632
June	1 365	163	111	274	0	4	124	128	402	1 767
July	1 501	146	35	181	12	0	50	62	243	1 744
August	1 608	100	30	130	10	96	0	106	236	1 844
September	1 382	122	29	151	0	8	21	29	180	1 562
October	1 544	110	9	119	15	6	58	79	198	1 742
November	1 661	197	65	262	79	5	0	84	346	2 007
December	1 277	140	16	156	12	6	0	18	174	1 451
<b>2002</b>										
January	1 350	86	34	120	48	17	0	65	185	1 535
February	1 387	58	25	83	4	34	31	69	152	1 539
March	1 241	68	12	80	3	7	40	50	130	1 371
April	1 415	151	84	235	4	46	19	69	304	1 719
May	1 594	130	62	192	33	0	53	86	278	1 872
June	1 389	145	57	202	31	6	11	48	250	1 639
VALUE (\$ million)										
<b>1999-2000</b>	2 173.7	122.1	78.3	200.3	62.1	25.5	225.5	313.1	513.4	2 687.2
<b>2000-2001</b>	1 527.8	99.9	61.3	161.3	22.3	23.5	107.1	152.9	314.1	1 841.9
<b>2001-2002</b>	2 261.4	129.9	61.8	191.7	31.3	25.5	82.7	139.5	331.2	2 592.6
<b>2001</b>										
April	113.7	11.4	6.6	18.0	13.9	0.0	0.0	13.9	31.9	145.6
May	175.5	15.3	2.8	18.1	0.0	1.8	1.5	3.3	21.3	196.8
June	164.2	13.1	14.0	27.2	0.0	0.5	14.5	15.0	42.2	206.3
July	188.5	13.4	3.7	17.1	1.1	0.0	18.7	19.8	36.8	225.3
August	202.2	9.1	4.6	13.7	0.7	7.2	0.0	7.9	21.6	223.8
September	173.5	13.5	6.3	19.8	0.0	1.4	9.8	11.2	31.0	204.5
October	200.6	9.2	0.8	10.0	1.4	1.7	8.0	11.1	21.1	221.7
November	211.5	15.8	9.0	24.8	9.0	0.5	0.0	9.6	34.4	245.9
December	159.5	11.6	1.6	13.3	1.4	0.7	0.0	2.1	15.4	174.8
<b>2002</b>										
January	175.4	7.8	4.1	11.9	7.7	2.2	0.0	9.8	21.7	197.2
February	184.7	4.7	3.9	8.6	0.4	4.0	7.3	11.7	20.3	205.0
March	162.8	6.0	1.4	7.4	0.2	1.0	19.5	20.7	28.0	190.8
April	196.6	14.6	10.8	25.4	1.8	6.0	9.1	16.9	42.2	238.8
May	216.1	11.9	7.1	18.9	3.4	0.0	6.3	9.8	28.7	244.8
June	190.0	12.3	8.5	20.8	4.2	0.9	4.0	9.1	29.9	219.9

(a) See Glossary for definition.

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

<i>Period</i>	<i>New houses</i>	<i>New other residential building</i>	<i>New residential building</i>	<i>Alterations and additions to residential buildings(b)</i>	<i>Total residential building</i>	<i>Non-residential building</i>	<i>Total building</i>
ORIGINAL (\$ million)							
<b>1998-1999</b>	2 044.1	320.6	2 365.5	240.3	2 605.8	1 136.0	<b>3 743.9</b>
<b>1999-2000</b>	2 173.7	513.4	2 687.2	244.2	2 931.3	1 201.1	<b>4 132.4</b>
<b>2000-2001</b>	1 362.8	289.8	1 652.7	240.9	1 893.6	1 283.1	<b>3 176.7</b>
<b>2000</b>							
December	338.3	62.7	401.0	43.8	444.8	211.0	<b>655.8</b>
<b>2001</b>							
March	300.8	77.1	378.0	66.6	444.6	247.6	<b>692.1</b>
June	402.7	87.3	490.0	78.0	568.0	548.8	<b>1 116.8</b>
September	495.9	81.6	577.5	56.4	633.9	210.5	<b>844.4</b>
December	499.5	64.1	563.6	56.1	619.7	252.8	<b>872.5</b>
<b>2002</b>							
March	454.4	62.7	517.1	46.1	563.2	181.2	<b>744.5</b>
ORIGINAL (% change from preceding quarter)							
<b>2000</b>							
December	5.4	-0.1	4.5	-16.8	1.9	-23.5	<b>-7.9</b>
<b>2001</b>							
March	-11.1	23.1	-5.7	52.2	0.0	17.3	<b>5.5</b>
June	33.9	13.3	29.7	17.0	27.8	121.7	<b>61.3</b>
September	23.1	-6.5	17.8	-27.6	11.6	-61.6	<b>-24.4</b>
December	0.7	-21.5	-2.4	-0.5	-2.2	20.1	<b>3.3</b>
<b>2002</b>							
March	-9.0	-2.1	-8.2	-17.9	-9.1	-28.3	<b>-14.7</b>

(a) Reference year for chain volume measures is 1999-2000. Refer to Explanatory Notes paragraph 24-25.

(b) Refer to Explanatory Notes paragraph 16.

## 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>2002</b>												
April	5	0.6	18	1.6	5	0.5	14	1.6	11	1.1	1	0.1
May	12	1.5	38	3.7	9	0.8	10	0.9	15	1.3	4	0.3
June	7	0.8	14	1.5	9	0.9	12	1.5	11	1.1	6	0.7
Value—\$200,000—\$499,999												
<b>2002</b>												
April	1	0.5	8	2.3	4	0.9	6	1.5	4	1.5	2	0.5
May	2	0.7	13	3.8	5	1.3	12	3.2	4	1.2	5	1.5
June	1	0.2	7	1.7	6	2.0	9	3.0	5	1.6	1	0.4
Value—\$500,000—\$999,999												
<b>2002</b>												
April	0	0.0	4	3.6	0	0.0	2	1.6	4	2.3	1	0.6
May	2	1.1	5	3.3	2	1.5	2	1.7	4	2.4	1	0.8
June	0	0.0	2	1.6	4	3.0	4	3.0	2	1.3	0	0.0
Value—\$1,000,000—\$4,999,999												
<b>2002</b>												
April	1	1.0	3	3.3	0	0.0	2	4.7	5	13.3	4	9.1
May	0	0.0	5	8.1	2	3.0	2	3.0	5	12.9	2	4.8
June	0	0.0	3	6.3	0	0.0	0	0.0	2	7.3	3	8.7
Value—\$5,000,000 and over												
<b>2002</b>												
April	0	0.0	0	0.0	0	0.0	1	7.0	1	6.0	1	13.9
May	1	15.0	0	0.0	0	0.0	1	11.0	1	6.5	1	6.0
June	0	0.0	0	0.0	0	0.0	1	5.6	0	0.0	1	9.6
Value—Total												
<b>1999-2000</b>	107	51.3	548	156.1	292	96.7	302	116.5	338	140.3	182	304.7
<b>2000-2001</b>	59	95.0	509	207.2	217	76.2	311	353.4	276	105.2	151	176.0
<b>2001-2002</b>	99	52.2	465	152.7	163	71.7	294	169.3	286	142.9	148	187.9
<b>2002</b>												
April	7	2.0	33	10.9	9	1.4	25	16.3	25	24.2	9	24.3
May	17	18.3	61	18.9	18	6.6	27	19.8	29	24.3	13	13.4
June	8	1.0	26	11.1	19	6.0	26	13.1	20	11.3	11	19.3

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>2002</b>										
April	0	0.0	0	0.0	1	0.1	6	0.8	61	6.4
May	0	0.0	1	0.2	5	0.5	5	0.6	99	9.8
June	1	0.1	3	0.3	0	0.0	10	1.1	73	8.0
Value—\$200,000—\$499,999										
<b>2002</b>										
April	0	0.0	0	0.0	1	0.4	3	0.9	29	8.5
May	2	0.7	1	0.4	1	0.4	5	1.4	50	14.6
June	1	0.3	1	0.2	3	1.1	3	0.8	37	11.2
Value—\$500,000—\$999,999										
<b>2002</b>										
April	0	0.0	1	0.7	1	0.8	1	0.5	14	10.2
May	0	0.0	1	0.8	0	0.0	0	0.0	17	11.6
June	0	0.0	0	0.0	0	0.0	0	0.0	12	8.9
Value—\$1,000,000—\$4,999,999										
<b>2002</b>										
April	0	0.0	3	8.6	0	0.0	1	3.1	19	43.2
May	1	1.1	0	0.0	3	5.3	2	3.3	22	41.4
June	0	0.0	1	2.3	2	3.3	1	2.3	12	30.2
Value—\$5,000,000 and over										
<b>2002</b>										
April	0	0.0	0	0.0	0	0.0	0	0.0	3	26.9
May	0	0.0	0	0.0	1	10.0	0	0.0	5	48.5
June	0	0.0	0	0.0	1	7.4	0	0.0	3	22.6
Value—Total										
<b>1999-2000</b>	43	22.6	75	113.2	78	51.4	130	148.1	2 095	1 201.1
<b>2000-2001</b>	19	5.3	63	57.2	92	127.7	118	92.0	1 815	1 295.2
<b>2001-2002</b>	24	9.4	58	48.4	80	100.3	102	32.2	1 719	967.0
<b>2002</b>										
April	0	0.0	4	9.3	3	1.3	11	5.4	126	95.2
May	3	1.8	3	1.4	10	16.1	12	5.3	193	125.9
June	2	0.3	5	2.8	6	11.8	14	4.1	137	80.9

## VALUE OF NON-RESIDENTIAL BUILDINGS APPROVED

Period	Hotels, motels and other short term accom- modation	Shops	Factories	Offices	Other business premises	Educational	Religious	Health	Entertain- ment and recreational	Miscell- aneous	Total non- residential building
PRIVATE SECTOR (\$ million)											
<b>1999-2000</b>	50.5	152.9	91.0	78.2	124.9	57.0	22.8	39.2	29.8	20.2	<b>666.1</b>
<b>2000-2001</b>	94.7	205.8	73.7	311.2	97.7	98.2	5.4	37.9	68.3	54.9	<b>1 047.9</b>
<b>2001-2002</b>	51.6	150.8	67.8	134.3	137.2	62.9	9.4	39.0	58.7	11.3	<b>723.2</b>
<b>2001</b>											
June	0.2	18.3	5.0	17.9	6.1	3.3	0.6	2.9	2.0	1.9	<b>58.3</b>
July	2.1	24.6	8.8	6.3	2.4	0.0	0.7	0.2	3.0	0.4	<b>48.5</b>
August	0.7	14.8	6.3	26.1	8.9	12.3	0.3	1.3	5.1	3.7	<b>79.6</b>
September	11.8	7.2	6.1	5.3	5.6	6.2	1.1	3.5	0.6	0.1	<b>47.4</b>
October	1.0	11.9	10.4	4.8	6.9	10.1	0.6	1.8	1.4	0.4	<b>49.3</b>
November	0.6	11.9	8.7	6.8	32.9	3.0	4.0	3.5	1.9	0.1	<b>73.3</b>
December	0.4	4.7	2.1	8.3	4.5	8.4	0.0	1.7	22.6	0.1	<b>52.9</b>
<b>2002</b>											
January	2.5	17.6	1.8	14.1	6.5	2.6	0.2	5.1	0.4	0.3	<b>51.2</b>
February	10.3	9.0	7.5	9.0	6.4	1.4	0.3	3.7	0.8	2.1	<b>50.5</b>
March	0.9	8.6	2.2	8.4	6.9	3.9	0.1	6.2	1.0	1.4	<b>39.6</b>
April	2.0	10.9	1.4	15.5	21.4	1.1	0.0	9.3	1.3	1.0	<b>64.0</b>
May	18.3	18.5	6.5	19.1	24.2	9.8	1.8	0.2	12.1	0.6	<b>111.1</b>
June	1.0	11.1	6.0	10.6	10.6	4.1	0.3	2.5	8.5	1.1	<b>55.8</b>
PUBLIC SECTOR (\$ million)											
<b>1999-2000</b>	0.6	3.4	5.8	38.4	15.5	247.6	0.0	74.0	21.6	128.0	<b>535.0</b>
<b>2000-2001</b>	0.2	1.3	2.4	42.3	7.7	77.9	0.0	19.1	59.2	37.3	<b>247.6</b>
<b>2001-2002</b>	0.6	1.9	4.0	35.0	5.6	124.9	0.0	9.5	41.5	20.9	<b>244.0</b>
<b>2001</b>											
June	0.0	0.0	0.0	4.8	0.2	1.8	0.0	0.8	0.3	0.2	<b>8.1</b>
July	0.4	0.7	0.0	2.6	0.2	8.6	0.0	0.4	1.8	0.8	<b>15.5</b>
August	0.0	0.0	0.0	1.2	0.0	8.2	0.0	1.4	0.7	2.4	<b>13.9</b>
September	0.0	0.0	0.2	0.2	0.4	6.7	0.0	0.8	1.3	0.8	<b>10.4</b>
October	0.0	0.5	3.7	0.7	0.2	38.3	0.0	0.3	10.5	1.3	<b>55.5</b>
November	0.0	0.0	0.0	21.8	0.3	1.1	0.0	2.2	0.1	0.5	<b>26.0</b>
December	0.0	0.0	0.0	1.7	0.4	1.1	0.0	0.2	0.0	0.5	<b>3.9</b>
<b>2002</b>											
January	0.0	0.0	0.0	0.5	0.0	14.6	0.0	1.6	19.1	1.3	<b>37.1</b>
February	0.0	0.0	0.0	1.3	0.1	0.3	0.0	0.0	0.7	0.2	<b>2.6</b>
March	0.2	0.3	0.0	1.0	0.4	4.0	0.0	1.1	0.0	1.0	<b>8.0</b>
April	0.0	0.0	0.0	0.8	2.8	23.2	0.0	0.0	0.0	4.4	<b>31.2</b>
May	0.0	0.4	0.1	0.7	0.1	3.6	0.0	1.2	4.0	4.7	<b>14.8</b>
June	0.0	0.0	0.0	2.5	0.7	15.2	0.0	0.3	3.3	3.0	<b>25.1</b>
TOTAL (\$ million)											
<b>1999-2000</b>	51.2	156.2	96.7	116.7	140.3	304.8	22.8	113.3	51.5	148.0	<b>1 201.2</b>
<b>2000-2001</b>	94.9	207.1	76.1	353.5	105.2	176.1	5.4	57.2	127.7	92.1	<b>1 295.1</b>
<b>2001-2002</b>	52.2	152.8	71.9	169.4	142.7	188.0	9.4	48.4	100.4	32.2	<b>967.0</b>
<b>2001</b>											
June	0.2	18.3	5.0	22.7	6.2	5.1	0.6	3.7	2.3	2.1	<b>66.3</b>
July	2.5	25.3	8.8	8.8	2.7	8.6	0.7	0.6	4.8	1.3	<b>64.0</b>
August	0.7	14.8	6.3	27.4	8.9	20.5	0.3	2.6	5.9	6.1	<b>93.5</b>
September	11.8	7.2	6.4	5.5	6.0	12.9	1.1	4.3	1.9	0.9	<b>57.8</b>
October	1.0	12.4	14.1	5.5	7.0	48.4	0.6	2.1	11.9	1.7	<b>104.8</b>
November	0.6	11.9	8.7	28.6	33.1	4.1	4.0	5.7	2.0	0.6	<b>99.2</b>
December	0.4	4.7	2.1	10.1	4.9	9.6	0.0	1.9	22.6	0.6	<b>56.8</b>
<b>2002</b>											
January	2.5	17.6	1.8	14.6	6.5	17.2	0.2	6.7	19.5	1.6	<b>88.2</b>
February	10.3	9.0	7.5	10.3	6.5	1.7	0.3	3.7	1.6	2.3	<b>53.1</b>
March	1.1	9.0	2.2	9.4	7.3	8.0	0.1	7.3	1.0	2.3	<b>47.6</b>
April	2.0	10.9	1.4	16.3	24.2	24.3	0.0	9.3	1.3	5.4	<b>95.2</b>
May	18.3	18.9	6.6	19.8	24.3	13.4	1.8	1.4	16.1	5.3	<b>125.9</b>
June	1.0	11.1	6.0	13.1	11.3	19.3	0.3	2.8	11.8	4.1	<b>80.9</b>



## BUILDING APPROVED IN THE PERTH STATISTICAL DIVISION: Original

Period	DWELLINGS (no.).....			VALUE (\$'000).....					
	New houses	New other residential building	Total dwellings(a)	New houses	New other residential building	Alterations and additions to residential building(b)	Total residential building	Non-residential building	Total building
PRIVATE SECTOR									
<b>2000-2001</b>	8 603	1 775	10 701	1 106 121	230 892	199 814	1 536 826	860 546	2 397 373
<b>2001-2002</b>	12 448	1 855	14 464	1 634 896	252 747	205 201	2 092 844	540 645	2 633 489
<b>2001</b>									
June	967	209	1 183	117 125	23 940	14 953	156 018	34 337	190 355
July	1 089	130	1 223	138 590	27 524	14 189	180 302	25 720	206 022
August	1 227	193	1 427	155 746	17 142	17 514	190 402	61 387	251 789
September	1 032	126	1 167	129 601	22 793	18 556	170 951	36 963	207 914
October	1 096	141	1 241	143 694	16 566	19 212	179 472	38 095	217 567
November	1 169	236	1 407	149 219	25 773	17 594	192 587	60 752	253 339
December	908	80	994	111 862	7 953	11 656	131 471	45 025	176 496
<b>2002</b>									
January	1 011	137	1 148	129 520	17 531	14 412	161 463	41 516	202 978
February	1 001	131	1 135	133 508	18 416	13 864	165 787	39 884	205 672
March	845	120	965	115 115	27 162	13 497	155 774	24 423	180 197
April	950	213	1 165	135 653	32 550	15 380	183 582	44 411	227 993
May	1 139	214	1 416	156 073	22 091	21 666	199 830	81 644	281 474
June	981	134	1 176	136 317	17 246	27 661	181 224	40 825	222 049
PUBLIC SECTOR									
<b>2000-2001</b>	86	438	689	8 363	38 726	20 000	67 089	157 609	224 698
<b>2001-2002</b>	251	285	542	20 357	23 188	5 288	48 833	186 571	235 405
<b>2001</b>									
June	11	91	106	1 159	7 593	120	8 871	5 666	14 537
July	38	59	97	3 111	4 892	610	8 614	12 539	21 153
August	16	25	41	1 367	2 809	743	4 919	9 086	14 004
September	4	10	14	276	793	1 000	2 070	6 946	9 016
October	23	9	32	1 608	790	714	3 112	53 804	56 916
November	0	29	30	0	2 201	555	2 756	22 830	25 586
December	13	17	30	1 191	1 215	565	2 971	1 645	4 616
<b>2002</b>									
January	23	21	44	2 163	1 607	30	3 800	32 471	36 271
February	35	17	56	2 778	1 434	116	4 328	1 783	6 111
March	54	5	60	3 513	387	366	4 265	5 000	9 265
April	10	13	23	959	1 016	16	1 991	11 616	13 606
May	17	26	43	1 446	1 836	558	3 840	7 863	11 703
June	18	54	72	1 945	4 209	15	6 168	20 989	27 158
TOTAL									
<b>2000-2001</b>	8 689	2 213	11 390	1 114 484	269 617	219 814	1 603 915	1 018 155	2 622 070
<b>2001-2002</b>	12 699	2 140	15 006	1 655 253	275 935	210 489	2 141 678	727 216	2 868 894
<b>2001</b>									
June	978	300	1 289	118 284	31 532	15 073	164 889	40 003	204 893
July	1 127	189	1 320	141 701	32 416	14 799	188 916	38 259	227 175
August	1 243	218	1 468	157 112	19 950	18 258	195 320	70 473	265 793
September	1 036	136	1 181	129 877	23 587	19 556	173 020	43 909	216 930
October	1 119	150	1 273	145 302	17 357	19 926	182 584	91 898	274 483
November	1 169	265	1 437	149 219	27 974	18 149	195 343	83 582	278 925
December	921	97	1 024	113 054	9 168	12 220	134 442	46 670	181 112
<b>2002</b>									
January	1 034	158	1 192	131 683	19 138	14 442	165 263	73 987	239 249
February	1 036	148	1 191	136 286	19 850	13 980	170 115	41 668	211 783
March	899	125	1 025	118 627	27 548	13 863	160 039	29 423	189 462
April	960	226	1 188	136 612	33 565	15 396	185 573	56 026	241 599
May	1 156	240	1 459	157 519	23 928	22 224	203 670	89 507	293 177
June	999	188	1 248	138 262	21 455	27 676	187 393	61 814	249 207

(a) Refer to footnote (a) in Table 12.

(b) Refer to Explanatory Notes paragraph 16.

## BUILDINGS APPROVED IN STATISTICAL AREAS—Jun Qtr 2002

Statistical Area	DWELLINGS (no.).....			VALUE (\$'000).....					
	New houses	New other residential building	Total dwellings(a)	New houses	New other residential building	Alterations and additions to residential buildings(b)	Total residential building	Non-residential building	Total building
<b>WESTERN AUSTRALIA</b>	<b>4 398</b>	<b>832</b>	<b>5 363</b>	<b>602 638</b>	<b>100 859</b>	<b>76 430</b>	<b>779 927</b>	<b>301 993</b>	<b>1 081 920</b>
<b>Perth (SD)</b>	<b>3 115</b>	<b>654</b>	<b>3 895</b>	<b>432 392</b>	<b>78 948</b>	<b>65 296</b>	<b>576 636</b>	<b>207 347</b>	<b>783 983</b>
Central Metropolitan (SSD)	123	154	392	39 819	21 834	28 862	90 515	81 153	171 668
Cambridge (T)	23	0	23	7 745	0	2 819	10 564	3 898	14 462
Claremont (T)	9	3	12	2 371	1 350	1 034	4 755	100	4 855
Cottesloe (T)	10	4	14	3 960	1 800	690	6 450	0	6 450
Mosman Park (T)	17	4	21	7 560	380	1 696	9 635	0	9 635
Nedlands (C)	22	0	22	9 300	0	1 616	10 916	3 680	14 596
Peppermint Grove (S)	1	0	1	1 200	0	30	1 230	350	1 580
Perth (C)—Inner	0	0	95	0	0	17 293	17 293	31 788	49 081
Perth (C)—Remainder	5	97	104	1 084	12 433	451	13 968	30 331	44 299
Subiaco (C)	13	18	31	2 452	2 880	1 135	6 467	4 640	11 107
Vincent (T)	23	28	69	4 147	2 991	2 099	9 236	6 366	15 602
East Metropolitan (SSD)	492	87	580	61 063	7 607	6 949	75 618	31 781	107 399
Bassendean (T)	11	3	14	1 134	255	433	1 822	525	2 347
Bayswater (C)	79	18	98	12 514	2 115	1 262	15 890	7 667	23 557
Kalamunda (S)	91	14	105	10 823	1 204	2 236	14 262	10 973	25 236
Mundaring (S)	33	2	35	4 132	132	1 286	5 550	4 157	9 707
Swan (C)	278	50	328	32 460	3 902	1 733	38 094	8 458	46 552
North Metropolitan (SSD)	1 063	221	1 286	149 057	23 102	12 982	185 141	38 505	223 647
Joondalup (C)—North	129	17	146	20 258	1 948	1 256	23 462	16 605	40 067
Joondalup (C)—South	68	20	88	17 299	2 634	3 533	23 466	3 745	27 212
Stirling (C)—Central	158	95	253	21 710	8 231	1 206	31 146	5 504	36 650
Stirling (C)—Coastal	116	68	186	19 733	7 293	3 025	30 051	686	30 736
Stirling (C)—South-Eastern	6	17	23	1 466	2 635	2 011	6 111	7 400	13 511
Wanneroo (C)—North-East	139	4	143	15 413	362	861	16 637	807	17 444
Wanneroo (C)—North-West	322	0	322	38 194	0	548	38 742	1 218	39 960
Wanneroo (C)—South	125	0	125	14 984	0	543	15 527	2 540	18 067
South West Metropolitan (SSD)	714	102	816	91 603	14 980	9 212	115 795	23 942	139 737
Cockburn (C)	164	27	191	20 267	1 810	1 727	23 805	7 100	30 905
East Fremantle (T)	18	2	20	3 507	496	948	4 951	273	5 224
Fremantle (C)—Inner	0	0	0	0	0	126	126	2 427	2 553
Fremantle (C)—Remainder	27	0	27	3 953	0	2 006	5 959	2 304	8 262
Kwinana (T)	52	14	66	4 871	450	400	5 721	3 301	9 021
Melville (C)	116	27	143	20 379	10 253	2 378	33 010	6 555	39 565
Rockingham (C)	337	32	369	38 626	1 971	1 628	42 225	1 981	44 206
South East Metropolitan (SSD)	723	90	821	90 850	11 424	7 291	109 566	31 966	141 532
Armadale (C)	59	14	73	8 156	1 102	1 168	10 426	1 290	11 716
Belmont (C)	42	27	69	5 442	3 104	513	9 059	2 239	11 298
Canning (C)	160	2	162	18 744	176	1 646	20 565	6 184	26 750
Gosnells (C)	281	21	310	31 171	1 890	1 234	34 295	6 944	41 239
Serpentine—Jarrahdale (S)	41	0	41	5 022	0	189	5 211	0	5 211
South Perth (C)	59	9	68	13 026	3 622	1 992	18 641	6 528	25 169
Victoria Park (T)	81	17	98	9 289	1 531	549	11 369	8 780	20 149
<b>South West (SD)</b>	<b>769</b>	<b>103</b>	<b>876</b>	<b>103 054</b>	<b>12 069</b>	<b>4 053</b>	<b>119 176</b>	<b>36 829</b>	<b>156 005</b>
Mandurah (SSD)	373	73	446	51 224	9 108	1 038	61 370	3 463	64 833
Mandurah (C)	319	73	392	45 379	9 108	835	55 322	1 482	56 804
Murray (S)	54	0	54	5 845	0	203	6 048	1 980	8 029
Bunbury (SSD)	91	2	96	10 436	193	591	11 220	21 772	32 992
Bunbury (C)	38	2	43	4 740	193	339	5 273	7 241	12 514
Capel (S)—Pt A	6	0	6	890	0	61	951	275	1 226
Dardanup (S)—Pt A	22	0	22	2 023	0	120	2 143	14 256	16 399
Harvey (S)—Pt A	25	0	25	2 783	0	71	2 853	0	2 853

Statistical Area	DWELLINGS (no.).....			VALUE (\$'000).....					
	New houses	New other residential building	Total dwellings(a)	New houses	New other residential building	Alterations and additions to residential buildings(b)	Total residential building	Non-residential buildings	Total building
Preston (SSD)	136	0	136	16 638	0	639	17 277	1 011	18 288
Bodington (C)	3	0	3	315	0	54	369	0	369
Capel (S)—Pt B	76	0	76	9 749	0	216	9 965	330	10 295
Collie (S)	8	0	8	925	0	42	967	0	967
Dardanup (S)—Pt B	3	0	3	487	0	11	498	318	816
Donnybrook—Balingup (S)	15	0	15	1 978	0	32	2 010	125	2 135
Harvey (S)—Pt B	20	0	20	2 139	0	233	2 372	237	2 609
Waroona(S)	11	0	11	1 046	0	50	1 096	0	1 096
Vasse (SSD)	146	28	174	22 066	2 768	1 216	26 051	8 588	34 639
Augusta—Margaret River (S)	45	12	57	6 343	1 288	96	7 727	3 281	11 009
Busselton (S)	101	16	117	15 723	1 480	1 120	18 324	5 307	23 630
Blackwood (SSD)	23	0	24	2 689	0	569	3 258	1 995	5 253
Boyup Brook (S)	4	0	5	565	0	140	705	54	759
Bridgetown—Greenbushes (S)	6	0	6	656	0	209	865	1 941	2 806
Manjimup (S)	11	0	11	1 200	0	160	1 360	0	1 360
Nannup (S)	2	0	2	268	0	60	328	0	328
<b>Lower Great Southern (SD)</b>	<b>106</b>	<b>5</b>	<b>111</b>	<b>12 613</b>	<b>534</b>	<b>1 746</b>	<b>14 893</b>	<b>6 053</b>	<b>20 946</b>
Pallinup (SSD)	4	0	4	494	0	211	704	2 550	3 254
Broomehill (S)	1	0	1	70	0	0	70	0	70
Gnowangerup (S)	0	0	0	0	0	69	69	2 456	2 524
Jerramungup (S)	2	0	2	290	0	35	325	94	419
Katanning (S)	0	0	0	0	0	107	107	0	107
Kent (S)	0	0	0	0	0	0	0	0	0
Kojonup (S)	0	0	0	0	0	0	0	0	0
Tambellup (S)	1	0	1	134	0	0	134	0	134
Woodanilling (S)	0	0	0	0	0	0	0	0	0
King (SSD)	102	5	107	12 120	534	1 535	14 189	3 503	17 692
Albany (C)—Central	27	5	32	3 260	534	707	4 502	2 383	6 885
Albany (C)—Bal	48	0	48	6 098	0	366	6 465	190	6 655
Cranbrook (S)	0	0	0	0	0	0	0	0	0
Denmark (S)	19	0	19	1 884	0	281	2 165	930	3 095
Plantagenet (S)	8	0	8	878	0	180	1 058	0	1 058
<b>Upper Great Southern (SD)</b>	<b>17</b>	<b>0</b>	<b>17</b>	<b>2 125</b>	<b>0</b>	<b>333</b>	<b>2 458</b>	<b>12 422</b>	<b>14 880</b>
Hotham (SSD)	15	0	15	1 867	0	226	2 094	8 713	10 807
Brookton (S)	3	0	3	116	0	28	144	7 313	7 457
Cuballing (S)	1	0	1	207	0	12	218	0	218
Dumbleyung (S)	0	0	0	0	0	0	0	112	112
Narrogin (T)	2	0	2	306	0	113	419	0	419
Narrogin (S)	1	0	1	171	0	0	171	0	171
Pingelly (S)	1	0	1	96	0	0	96	0	96
Wagin (S)	2	0	2	302	0	28	330	0	330
Wandering (S)	5	0	5	670	0	11	681	0	681
West Arthur (S)	0	0	0	0	0	25	25	263	288
Wickepin (S)	0	0	0	0	0	0	0	1 025	1 025
Williams (S)	0	0	0	0	0	10	10	0	10
Lakes (SSD)	2	0	2	258	0	106	365	3 709	4 074
Corrigin (S)	2	0	2	258	0	41	300	0	300
Kondinin (S)	0	0	0	0	0	0	0	0	0
Kulin (S)	0	0	0	0	0	0	0	0	0
Lake Grace (S)	0	0	0	0	0	65	65	3 709	3 774
<b>Midlands (SD)</b>	<b>103</b>	<b>4</b>	<b>108</b>	<b>11 360</b>	<b>297</b>	<b>1 132</b>	<b>12 789</b>	<b>10 201</b>	<b>22 990</b>
Moore (SSD)	52	2	54	5 647	70	406	6 123	4 638	10 761
Chittering (S)	13	0	13	1 555	0	99	1 654	0	1 654
Dandaragan (S)	9	0	9	762	0	136	898	0	898
Gingin (S)	23	2	25	2 298	70	135	2 503	352	2 855
Moora (S)	7	0	7	1 032	0	11	1 043	143	1 186
Victoria Plains (S)	0	0	0	0	0	25	25	4 142	4 167

Statistical Area	DWELLINGS (no.).....			VALUE (\$'000).....					
	New houses	New other residential building	Total dwellings(a)	New houses	New other residential building	Alterations and additions to residential buildings(b)	Total residential building	Non-residential building	Total building
Avon (SSD)	42	2	45	4 611	227	593	5 432	2 148	7 580
Beverley (S)	3	0	3	430	0	44	474	0	474
Cunderdin (S)	2	0	2	127	0	134	262	1 219	1 480
Dalwallinu (S)	3	0	3	514	0	10	524	250	774
Dowerin (S)	1	0	1	128	0	0	128	0	128
Goomalling (S)	0	0	0	0	0	16	16	0	16
Koorda (S)	2	0	2	168	0	0	168	0	168
Northam (T)	6	0	6	814	0	21	835	579	1 414
Northam (S)	7	2	9	518	227	25	770	0	770
Quairading (S)	1	0	1	145	0	32	177	0	177
Tammin (S)	0	0	0	0	0	0	0	0	0
Toodyay (S)	8	0	9	530	0	193	723	0	723
Wongan-Ballidu (S)	0	0	0	0	0	0	0	0	0
Wyalkatchem (S)	0	0	0	0	0	0	0	0	0
York (S)	9	0	9	1 238	0	118	1 356	100	1 456
Campion (SSD)	9	0	9	1 101	0	132	1 234	3 416	4 649
Bruce Rock (S)	4	0	4	472	0	11	483	0	483
Kellerberrin (S)	0	0	0	0	0	0	0	3 026	3 026
Merredin (S)	4	0	4	529	0	60	589	390	979
Mount Marshall (S)	1	0	1	101	0	0	101	0	101
Mukinbudin (S)	0	0	0	0	0	25	25	0	25
Narembeen (S)	0	0	0	0	0	0	0	0	0
Nungarin (S)	0	0	0	0	0	0	0	0	0
Trayning (S)	0	0	0	0	0	0	0	0	0
Westonia (S)	0	0	0	0	0	11	11	0	11
Yilgam (S)	0	0	0	0	0	25	25	0	25
<b>South Eastern (SD)</b>	<b>66</b>	<b>30</b>	<b>96</b>	<b>8 369</b>	<b>4 153</b>	<b>1 168</b>	<b>13 691</b>	<b>14 300</b>	<b>27 991</b>
Kalgoorlie/Boulder City Part A (SSD)	32	18	50	3 438	2 334	492	6 264	6 655	12 919
Kalgoorlie/Boulder (C)—Pt A	32	18	50	3 438	2 334	492	6 264	6 655	12 919
Lefroy (SSD)	2	0	2	240	0	34	274	788	1 062
Coolgardie (S)	0	0	0	0	0	34	34	353	387
Kalgoorlie/Boulder (C)—Pt B	0	0	0	0	0	0	0	0	0
Laverton (S)	0	0	0	0	0	0	0	161	161
Leonora (S)	0	0	0	0	0	0	0	0	0
Menzies (S)	0	0	0	0	0	0	0	0	0
Ngaanyatjarraku (S)	2	0	2	240	0	0	240	274	514
Johnston (SSD)	32	12	44	4 691	1 819	643	7 153	6 856	14 009
Dundas (S)	0	0	0	0	0	10	10	238	248
Esperance (S)	30	12	42	4 432	1 819	565	6 816	6 618	13 434
Ravensthorpe (S)	2	0	2	259	0	68	327	0	327
<b>Central (SD)</b>	<b>95</b>	<b>10</b>	<b>106</b>	<b>11 603</b>	<b>1 213</b>	<b>980</b>	<b>13 796</b>	<b>9 647</b>	<b>23 442</b>
			.0						
Geraldton (SSD)	41	2	43	5 045	186	312	5 543	720	6 263
Geraldton (C)	19	2	21	2 202	186	154	2 541	332	2 874
Greenough (S)—Pt A	22	0	22	2 844	0	158	3 002	388	3 390
Gascoyne (SSD)	23	2	26	2 399	464	107	2 970	2 473	5 443
Carnarvon (S)	6	0	7	861	0	40	900	1 155	2 055
Exmouth (S)	4	2	6	799	464	52	1 314	768	2 082
Shark Bay (S)	13	0	13	740	0	16	756	550	1 306
Upper Gascoyne (S)	0	0	0	0	0	0	0	0	0
Carnegie (SSD)	3	0	3	566	0	0	566	139	705
Cue (S)	0	0	0	0	0	0	0	0	0
Meekatharra (S)	3	0	3	566	0	0	566	139	705
Mount Magnet (S)	0	0	0	0	0	0	0	0	0
Murchison (S)	0	0	0	0	0	0	0	0	0
Sandstone (S)	0	0	0	0	0	0	0	0	0
Wiluna (S)	0	0	0	0	0	0	0	0	0
Yalgoo (S)	0	0	0	0	0	0	0	0	0

BUILDINGS APPROVED IN STATISTICAL AREAS—Jun Qtr 2002 *continued*

Statistical Area	DWELLINGS (no.).....			VALUE (\$'000).....					
	New houses	New other residential building	Total dwellings(a)	New houses	New other residential building	Alterations and additions to residential buildings(b)	Total residential building	Non-residential building	Total building
Greenough River (SSD)	28	6	34	3 593	563	561	4 717	6 315	11 031
Carnamah (S)	0	0	0	0	0	0	0	100	100
Chapman Valley (S)	0	0	0	0	0	34	34	0	34
Coorow (S)	5	0	5	610	0	0	610	538	1 148
Greenough (S)—Pt B	5	0	5	596	0	47	644	200	844
Irwin (S)	8	6	14	1 265	563	109	1 937	200	2 137
Mingenew (S)	0	0	0	0	0	20	20	0	20
Morawa (S)	0	0	0	0	0	23	23	994	1 016
Mullewa (S)	0	0	0	0	0	0	0	0	0
Northampton (S)	6	0	6	709	0	328	1 037	4 222	5 258
Perenjori (S)	0	0	0	0	0	0	0	61	61
Three Springs (S)	4	0	4	413	0	0	413	0	413
<b>Pilbara (SD)</b>	<b>54</b>	<b>24</b>	<b>78</b>	<b>8 561</b>	<b>3 317</b>	<b>979</b>	<b>12 857</b>	<b>1 871</b>	<b>14 727</b>
De Grey (SSD)	21	0	21	2 799	0	273	3 072	808	3 879
East Pilbara (S)	11	0	11	1 938	0	10	1 948	200	2 148
Port Hedland (T)	10	0	10	861	0	263	1 124	608	1 732
Fortescue (SSD)	33	24	57	5 763	3 317	706	9 785	1 063	10 848
Ashburton (S)	2	2	4	102	480	355	937	0	937
Roebourne (S)	31	22	53	5 661	2 837	351	8 849	1 063	9 911
<b>Kimberley (SD)</b>	<b>73</b>	<b>2</b>	<b>76</b>	<b>12 561</b>	<b>328</b>	<b>742</b>	<b>13 632</b>	<b>3 323</b>	<b>16 955</b>
Ord (SSD)	16	0	16	3 093	0	359	3 452	338	3 790
Halls Creek (S)	6	0	6	867	0	125	992	273	1 265
Wyndham-East Kimberley (S)	10	0	10	2 225	0	235	2 460	65	2 525
Fitzroy (SSD)	57	2	60	9 468	328	383	10 180	2 985	13 165
Broome (S)	43	0	44	7 225	0	331	7 556	2 105	9 661
Derby-West Kimberley (S)	14	2	16	2 244	328	52	2 624	880	3 504

## STATISTICAL DISTRICTS

Mandurah	373	73	446	51 224	9 108	1 038	61 370	3 463	64 833
Bunbury	91	2	96	10 436	193	591	11 220	21 772	32 992
Kalgoorlie/Boulder	32	18	50	3 438	2 334	492	6 264	6 655	12 919
Geraldton	41	2	43	5 045	186	312	5 543	720	6 263

(a) Includes conversions and dwelling units approved as part of alterations and additions or the construction of non-residential buildings.

(b) Refer to Explanatory Notes paragraph 16.

# 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 and other principal certifying authorities;
- approvals issued by the Rural Housing Authority in areas not subject to building control by local government authorities;
- contracts let or day labour work authorised by Commonwealth, State, semi-government and local government authorities;
- major building approvals 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.

**4** 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.

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

## VALUE DATA

**6** Statistics on the value of building work approved are derived by aggregating the estimated 'value of building work when completed' as reported on building approval documents provided to local councils or other approval authorities. Conceptually these data should exclude the value of land and landscaping but include site preparation costs. These estimates are usually a reliable indicator of the completed value of 'houses'. However, for 'other residential buildings' and 'non-residential buildings', they can differ significantly from the completed value of the building as final costs and contracts have not been established before council approval is sought and gained.

**7** The ABS generally accepts values provided by approving bodies. Every effort is made to ensure data are provided on a consistent basis, however, there may be instances where value reported does not reflect the building completion value. For example, the reported value for most project homes is the contract price, which may include the cost of site preparation and landscaping. In other cases where a builder is contracted to construct a dwelling based on the owner's plans, the value may only be the builder's costs. Some councils do not use the value on approval documents, instead deriving a value based on floor area and type of structure.

**8** From July 2000, value data includes the Goods and Services Tax (GST) for residential and non-residential building approvals. The ABS has consulted with councils and other approving authorities to ensure that approval values are reported inclusive of GST. Where it was identified by a council or other approving authority that approvals submitted from its jurisdiction were on a GST-exclusive basis, the ABS has made adjustments to the data to ensure that values were consistent with other data collected and were inclusive of GST.

## EXPLANATORY NOTES

### OWNERSHIP

**9** 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

**10** 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' and 'conversions'). These classifications are often used in conjunction with each other in this publication and are defined in the Glossary.

**11** 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 specific building, not to the function of the group as a whole.

**12** An example of this rule is the treatment of 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 Factories.

**13** 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.

**14** In the case of a large multi-function 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.

**15** 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.

**16** The Type of Work classification refers to the building activity carried out. Conversion jobs are shown separately in tables 5 and 6. However, in other tables they are included within existing categories, as follows: in tables 1, 2, 11 and 12 they are included in the appropriate Type of Building category, and in tables 3, 4, 11 and 12 they are included in the 'Alterations and additions to residential buildings' category.

### SEASONAL ADJUSTMENT

**17** 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.

**18** 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.

**19** 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).

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



## EXPLANATORY NOTES

- SEASONAL ADJUSTMENT *continued* **21** 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.
- TREND ESTIMATES **22** 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 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 further information, 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 6076.
- 23** While the smoothing techniques described in paragraph 22 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 **24** The chain volume measures appearing in this publication are annually re-weighted chain Laspeyres indexes referenced to current price values in a chosen reference year. The reference year will be updated annually in the September 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. The direct impact of the GST is a price change, and hence is removed from the chain volume estimates.
- 25** 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).
- AUSTRALIAN STANDARD  
GEOGRAPHICAL CLASSIFICATION  
(ASGC) **26** Area statistics are now being classified to the *Australian Standard Geographical Classification (ASGC), 2001 Edition* (Cat. no. 1216.0), effective from 1 July 2001, and ASGC terminology has been adopted in the presentation of building statistics.
- ABS DATA AVAILABLE ON REQUEST **27** As well as the statistics included in this and related publications, the ABS may have other relevant data available on request. Inquiries should be made to the National Information and Referral Service on 1300 135 070.



## EXPLANATORY NOTES

### RELATED PUBLICATIONS

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

- *Building Activity, Australia* (Cat. no. 8752.0)
- *Building Activity, Australia: Dwelling Unit Commencements* (Cat. no. 8750.0)
- *Building Activity, Western Australia* (Cat. no. 8752.5)
- *Building Approvals, Australia* (Cat. no. 8731.0)
- *Construction Work Done, Australia, Preliminary* (Cat. no. 8755.0)
- *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)
- *Producer Price Indexes, Australia* (Cat. no. 6427.0)

**29** While building approvals value series are shown inclusive of GST, this is different to the value series shown in the Building Activity publications (Cat. nos 8752.0, 8752.5 and 8755.0), in which residential work will be published inclusive of GST and non-residential work exclusive of GST. In the *Engineering Construction Activity, Australia* (Cat. no. 8762.0) all values will exclude GST.

### ROUNDING

**30** 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
C	City
S	Shire
SD	Statistical Division
SSD	Statistical Subdivision
T	Town

## GLOSSARY

<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 16.
<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 May 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 5 includes the number of Conversions in the 'Alterations and additions to residential buildings' category while table 6 includes the value of Conversions in the 'Alterations and additions to residential buildings, creating dwellings' category. See also Explanatory Notes paragraph 16.
<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. caretaker's residences) associated with a non-residential building are defined as houses.

## G L O S S A R Y

<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 May 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 5). 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 7 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.

## FOR MORE INFORMATION...

- INTERNET* **www.abs.gov.au** the ABS web site is the best place to start for access to summary data from our latest publications, information about the ABS, advice about upcoming releases, our catalogue, and Australia Now—a statistical profile.
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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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