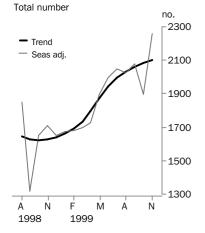


# **BUILDING APPROVALS**

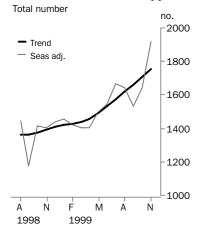
WESTERN AUSTRALIA

EMBARGO: 11:30AM (CANBERRA TIME) THURS 13 JAN 2000

#### **Dwelling units approved**



#### **Private sector houses approved**



 For further information about these and related statistics, contact Merv Leaker on Adelaide 08 8237 7585 or Client Services in any ABS office as shown on the back cover of this publication.

NOVEMBER KE	Y FIG	URES	
TREND ESTIMATES	Nov 1999	% change Oct 1999 to Nov 1999	% change Nov 1998 to Nov 1999
Dwelling units approved			
Private sector houses	1 752	2.5	26.0
Total dwelling units	2 104	0.9	29.5
• • • • • • • • • • • • • • • • • • • •	• • • • • •	% change	% obondo
SEASONALLY ADJUSTED	Nov 1999	% change Oct 1999 to Nov 1999	% change Nov 1998 to Nov 1999
Dwelling units approved			
Private sector houses	1 921	17.1	37.0
Total dwelling units	2 260	19.3	32.0

## NOVEMBER KEY POINTS

#### TREND ESTIMATES

- The trend for private sector house approvals increased 2.5% in November and continues the growth evident since October 1998.
- The trend for total dwelling units approved increased 0.9% in November and has risen 29.5% over the last year.

#### SEASONALLY ADJUSTED ESTIMATES

- The seasonally adjusted estimate for private sector houses increased 17.1% in November following a 7.0% increase in October and is now 37.0% higher than a year ago.
- $\hspace{0.1cm}\blacksquare$  The seasonally adjusted estimate for total dwelling units increased 19.3%.

# ORIGINAL ESTIMATES

- In original terms, the number of dwellings approved increased by 570 to 2,389 (2,012 houses and 377 other dwellings), the highest number since September 1994.
- The value of total residential building approved was \$295.2 million and non-residential building approved was \$95.1 million. The educational sector was the main contributor to non-residential building, with 25 jobs worth a total of \$35.9 million.

# NOTES

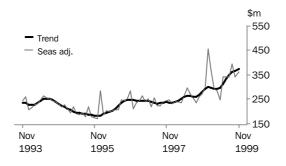
FORTHCOMING ISSUES ISSUE RELEASE DATE December 1999 10 February 2000 8 March 2000 January 2000 February 2000 6 April 2000 March 2000 12 May 2000 April 2000 7 June 2000 May 2000 10 July 2000 CHANGES IN THIS ISSUE There are no changes in this issue. DATA NOTES There are no data notes in this issue. There are no revisions in this issue. REVISIONS THIS MONTH Colin Nagle

Regional Director, Western Australia

### VALUE OF BUILDINGS APPROVED

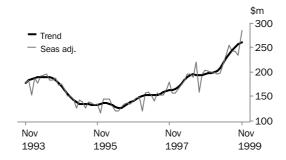
VALUE OF TOTAL BUILDING

The trend has increased 27.9% since April 99 but the rate of increase has eased in the last 4 months.



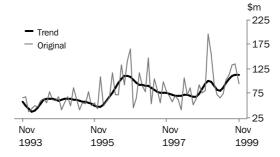
VALUE OF RESIDENTIAL BUILDING

The trend has increased 33.2% in the past 12 months.



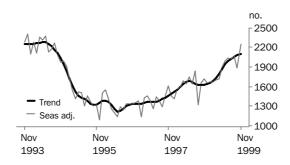
VALUE OF NON-RESIDENTIAL BUILDING

The trend has increased since June 1999 but the rate of increase has eased over the last 4 months.



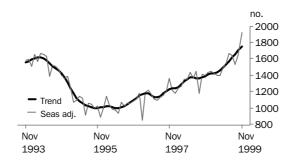
TOTAL DWELLING UNITS

The trend has risen 29.5% from a year ago but the rate of growth has eased in the last 6 months.



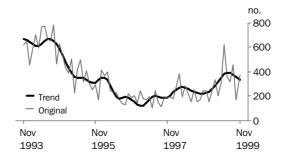
PRIVATE SECTOR HOUSES

The trend is 2.5% higher than October 1999 and has continued to rise since October 1998.



OTHER DWELLINGS

After a period of growth from December 1998 to July 1999, the trend has fallen for the last 4 months.



#### 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 December seasonally adjusted estimate is higher than the November estimate by 6% for the number of private sector houses approved and 8% for total dwelling units approved; and that the December seasonally adjusted estimate is lower than the November estimate by 6% for the number of private sector houses approved and 8% 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

# WHAT IF NEXT QUARTER'S SEASONALLY ADJUSTED ESTIMATE:

no. - 1 2000		TREND PUBLIS		<b>1</b> rises by	6% on Nov 1999	<b>2</b> falls by 6	6% on Nov 1999
Published trend - 2		no.	% change	no.	% change	no.	% change
1700	July 1999	1 575	2.8	1 566	2.6	1 574	2.8
1600	August 1999	1 618	2.7	1 614	3.1	1 618	2.8
1500	September 1999	1 663	2.7	1 673	3.7	1 663	2.8
A M J J A S O N D	October 1999	1 709	2.8	1 745	4.3	1 712	2.9
1999	November 1999	1 752	2.5	1 824	4.5	1 761	2.9
	December 1999	n.y.a.	n.y.a.	1 900	4.2	1 805	2.5

#### TOTAL DWELLING UNITS

# WHAT IF NEXT QUARTER'S SEASONALLY ADJUSTED ESTIMATE:



# DWELLING UNITS APPROVED

	HOUSES	HOUSES		LLINGS	TOTAL DWEL	LING UNITS
	Private sector	Total	Private sector	Total	Private sector	Total
Month	no.	no.	no.	no.	no.	no.
• • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
4000			ORIGINAL			
1998	4 000	4.057	404	450	4 000	4 440
September	1 239	1 257	124	156	1 363	1 413
October	1 454	1 462	127	172	1 581	1 634
November	1 395	1 404	193	245	1 588	1 649
December	1 383	1 393	192	248	1 575	1 641
1999	1 142	1 148	110	159	1 252	1 307
January						
February March	1 284	1 290	205	257	1 489	1 547
April	1 562	1 606	296	332	1 858	1 938
•	1 372	1 424	199	201	1 571	1 625
May	1 583	1 633	223	308	1 806	1 941
June	1 637	1 762	431	624	2 068	2 386
July	1 686	1 687	351	356	2 037	2 043
August	1 728	1 745	281	322	2 009	2 067
September	1 595	1 609	317	454	1 912	2 063
October	1 633	1 646	144	173	1 777	1 819
November	1 993	2 012	371	377	2 364	2 389
• • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	SI	EASONALLY ADJUSTE		• • • • • • • • • • • • • • •	• • • • • • • • • •
1998		-		-		
September	1 178	1 196	n.a.	n.a.	1 243	1 317
October	1 417	1 434	n.a.	n.a.	1 570	1 653
November	1 402	1 413	n.a.	n.a.	1 619	1 712
December	1 439	1 451	n.a.	n.a.	1 586	1 653
1999						
January	1 455	1 465	n.a.	n.a.	1 573	1 673
February	1 423	1 430	n.a.	n.a.	1 610	1 679
March	1 406	1 434	n.a.	n.a.	1 646	1 700
April	1 403	1 444	n.a.	n.a.	1 674	1 726
May	1 495	1 551	n.a.	n.a.	1 759	1 899
June	1 541	1 596	n.a.	n.a.	1 891	1 998
July	1 664	1 665	n.a.	n.a.	2 041	2 048
August	1 641	1 660	n.a.	n.a.	1 934	2 026
September	1 534	1 549	n.a.	n.a.	1 816	2 077
October	1 641	1 668	n.a.	n.a.	1 827	1 894
November	1 921	1 943	n.a.	n.a.	2 229	2 260
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •
1998			TREND ESTIMATES			
September	1 363	1 398	173	228	1 536	1 626
October	1 373	1 396	160	224		1 620
November	1 390	1 402	153	223	1 533 1 543	1 625
December	1 408	1 414	155	226	1 563	1 640
	1 400	1 414	100	220	1 303	1 040
<b>1999</b> January	1 110	1 404	166	007	1 500	1.660
,	1 419	1 424	166	237	1 586	1 662
February March	1 425	1 435	191	258	1 615	1 692
March	1 436	1 451	225	285	1 661	1 735
April	1 459	1 481	264	317	1 723	1 797
May	1 493	1 519	299	354	1 792	1 873
June	1 532	1 560	318	382	1 850	1 942
July	1 575	1 602	316	392	1 891	1 993
August	1 618	1 642	303	388	1 921	2 029
September	1 663	1 684	287	375	1 950	2 058
October	1 709	1 728	272	357	1 981	2 085
November	1 752	1 769	259	335	2 011	2 104

••••••

# DWELLING UNITS APPROVED, Percentage Change

	HOUSES		OTHER DWE	LLINGS	TOTAL DWE	
Month	Private sector	Total	Private sector	Total	Private sector	Total
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • •	ORIGINAL (%	change from preced	ding month)	• • • • • • • • • • • • • • • •	• • • • • • • •
1998						
September	-15.0	-15.2	-45.6	-38.1	-19.2	-18.6
October	17.4	16.3	2.4	10.3	16.0	15.6
November	-4.1	-4.0	52.0	42.4	0.4	0.9
December 1999	-0.9	-0.8	-0.5	1.2	-0.8	-0.5
January	-17.4	-17.6	-42.7	-35.9	-20.5	-20.4
February	12.4	12.4	86.4	-33.9 61.6	18.9	18.4
March	21.7	24.5	44.4	29.2	24.8	25.3
April	-12.2	-11.3	-32.8	-39.5	-15.4	-16.2
May	15.4	14.7	12.1	53.2	15.0	19.4
June	3.4	7.9	93.3	102.6	14.5	22.9
July	3.0	-4.3	-18.6	-42.9	-1.5	-14.4
August	2.5	3.4	-19.9	-9.6	-1.4	1.2
September	-7.7	-7.8	12.8	41.0	-4.8	-0.2
October	2.4	2.3	-54.6	-61.9	-7.1	-11.8
November	22.0	22.2	157.6	117.9	33.0	31.3
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • •	CEACONALLY ADJUG	STED (% change from	nroading month)	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • •
1998		SEASUNALLY ADJUS	STED (% change from	preceding month)		
September	-18.5	-18.9	n.a.	n.a.	-29.1	-28.7
October	20.3	19.9	n.a.	n.a.	26.3	25.5
November	-1.0	-1.5	n.a.	n.a.	3.1	3.6
December	2.6	2.7	n.a.	n.a.	-2.0	-3.4
1999						
January	1.2	1.0	n.a.	n.a.	-0.8	1.2
February	-2.2	-2.4	n.a.	n.a.	2.4	0.4
March	-1.3	0.3	n.a.	n.a.	2.2	1.3
April	-0.2	0.7	n.a.	n.a.	1.7	1.5
May	6.5	7.4	n.a.	n.a.	5.0	10.0
June	3.1	2.9	n.a.	n.a.	7.5	5.2
July	8.0	4.3	n.a.	n.a.	8.0	2.5
August	-1.4	-0.3	n.a.	n.a.	-5.2	-1.1
September	-6.5	-6.7	n.a.	n.a.	-6.1	2.5
October	7.0	7.7	n.a.	n.a.	0.6	-8.8
November	17.1	16.5	n.a.	n.a.	22.0	19.3
• • • • • • • • • • • • • •	• • • • • • • • • • • • •	TREND ESTIMATE	S (% change from pr	receding month)	• • • • • • • • • • • • • • •	• • • • • • • • •
1998						
September	-0.1	-0.9	-7.5	-2.6	-1.0	-1.1
October	0.7	-0.1	-7.5	-1.8	-0.2	-0.4
November	1.3	0.4	-4.4	-0.4	0.7	0.3
December	1.3	0.9	1.3	1.3	1.3	0.9
1999		0.7		4.0		
January	0.8	0.7	7.1	4.9	1.5	1.3
February	0.4	0.8	15.1	8.9	1.9	1.8
March	0.8	1.1	17.8	10.5	2.8	2.5
April May	1.6	2.1	17.3	11.2	3.7	3.6
May June	2.3 2.6	2.6 2.7	13.3 6.4	11.7 7.9	4.0 3.2	4.2 3.7
July	2.8	2.7 2.7	-0.6	7.9 2.6	2.2	3.7 2.6
August	2.7	2.7	-0.6 -4.1	-1.0	1.6	1.8
September	2.7	2.6	-4.1 -5.3	-1.0 -3.4	1.5	1.4
October	2.8	2.6	-5.2	-3.4 -4.8	1.6	1.3
November	2.5	2.4	-3.2 -4.8	-4.8 -6.2	1.5	0.9
	2.0	<b></b>	1.0	J.2	1.0	0.0

.....

	New	Alterations and additions to	Total	Non-	T-4 /
	residential building	residential buildings(a)	residential building	residential building	Total building
Month	\$m	\$m	\$m	\$m	\$m
• • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	ORIGINAL	• • • • • • • • • • • • • • • • • • •	• • • • • • • • • •
1998			· · · · · · · · · · · · · · · · · · ·		
September	149.5	16.5	166.1	63.8	229.9
October	175.8	19.9	195.7	92.4	288.1
November	178.0	17.4	195.4	77.0	272.4
December	180.1	19.3	199.4	79.5	278.8
1999	4.40.0	40.0	467.0	407.4	205.0
January February	148.3 169.5	19.6 18.2	167.9 187.8	197.1 156.3	365.0 344.0
March	198.9	26.1	225.0	93.5	344.0 318.5
April	198.9 174.9	18.4	193.3	93.5 71.3	264.6
May	203.6	17.8	221.4	65.4	286.9
June	250.0	16.1	266.1	73.4	339.5
July	226.7	24.9	251.6	102.6	354.2
August	217.8	24.2	242.0	112.8	354.7
September	226.2	17.9	244.1	133.3	377.3
October	206.2	18.9	225.1	135.3	360.4
November	269.8	25.4	295.2	95.1	390.3
• • • • • • • • • • •	• • • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • •
1998		SEASO	NALLY ADJUSTED		
September	143.4	15.6	159.0	n.a.	237.3
October	178.8	18.0	196.8	n.a.	261.8
November	186.3	17.2	203.5	n.a.	270.7
December	183.1	19.2	202.3	n.a.	295.1
1999					
January	180.1	20.9	201.0	n.a.	457.0
February	180.5	19.8	200.3	n.a.	368.4
March	175.1	21.4	196.5	n.a.	291.5
April	175.4	22.5	197.9	n.a.	286.4
May	199.2	17.8	217.0	n.a.	247.5
June	216.7	17.0	233.7	n.a.	342.0
July	229.3	24.9	254.2	n.a.	341.1
August	217.5	25.0	242.4	n.a.	343.5
September	225.3	17.3	242.6	n.a.	395.9
October	217.8	17.0	234.8	n.a.	343.0
November	260.8	24.9	285.7	n.a.	362.7
• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	TRE	ND ESTIMATES	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • •
1998					
September	177.1	16.8	193.9	68.3	262.1
October	177.2	17.3	194.5	73.9	268.4
November	177.8	18.1	196.0	84.6	280.5
December	178.2	19.2	197.4	95.3	292.7
1999					
January	178.1	20.0	198.1	100.9	299.0
February	179.0	20.3	199.3	98.9	298.2
March	182.2	20.4	202.7	90.7	293.4
April May	188.6 197.7	20.6	209.1	82.7	291.8
May June		20.7	218.4	80.1	298.5
June July	207.4 216.1	20.7 20.8	228.1 236.8	85.3 95.8	313.4 332.6
					332.6 349.1
August September	223.2 229.3	20.9 20.9	244.0 250.2	105.0	
October	229.3 235.1	20.9	250.2 256.1	110.3 111.9	360.5 368.0
November	239.6	21.4	261.0	112.1	373.1
INOVELLINGI	239.0	∠1.4	201.0	112.1	3/3.1

<sup>(</sup>a) Refer to Explanatory Notes paragraph 12.



# VALUE OF BUILDING APPROVED, Percentage Change

	New	Alterations and additions	Total	Non-	
	residential	to residential	residential	residential	Total
Month	building	buildings(a)	building	building	buildin
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • •				• • • • • • • •
1998		ORIGINAL (% change	from preceding month	)	
September	-20.7	1.9	-18.9	24.3	-10.2
October	17.6	20.1	17.8	44.8	25.3
November	1.3	-12.4	-0.1	-16.7	-5.4
December	1.2	10.7	2.0	3.2	2.4
<b>1999</b>	1.2	10.7	2.0	3.2	2.4
January	-17.7	1.9	-15.8	148.0	30.9
February	14.3	-7.1	-13.8 11.8	-20.7	-5.7
March					
	17.3	43.0	19.8	-40.2	-7.4
April	-12.1	-29.4	-14.1	-23.8	-16.9
May	16.4	-3.3	14.5	-8.2	8.4
June	22.8	-9.6 	20.2	12.2	18.4
July	-9.3	54.5	-5.4	39.7	4.3
August	-3.9	-2.8	-3.8	9.9	0.2
September	3.8	-25.8	0.9	18.2	6.4
October	-8.8	5.2	-7.8	1.5	-4.5
November	30.8	34.4	31.1	-29.7	8.3
• • • • • • • • • • • •	SEAS(		change from preceding	month)	• • • • • • • • •
1998	SLASC	MALLI ADJUSTLD (%)	change from preceding	, illolitti)	
September	-29.5	-5.2	-27.7	n.a.	-7.7
October	24.7	15.1	23.7	n.a.	10.3
November	4.2	-4.5	3.4	n.a.	3.4
December	-1.7	11.9	-0.5	n.a.	9.0
1999	-1.1	11.9	-0.5	n.a.	5.0
January	-1.7	8.8	-0.7	2.0	54.9
•		-5.4	-0.7 -0.3	n.a.	-19.4
February	0.3			n.a.	
March	-3.0	7.9	-1.9	n.a.	-20.9
April	0.2	5.4	0.7	n.a.	-1.8
May	13.5	-20.9	9.6	n.a.	-13.6
June	8.8	-4.5	7.7	n.a.	38.2
July	5.8	46.7	8.8	n.a.	-0.2
August	-5.2	0.2	-4.6	n.a.	0.7
September	3.6	-30.7	0.1	n.a.	15.3
October	-3.4	-1.8	-3.3	n.a.	-13.4
November	19.8	46.7	21.7	n.a.	5.7
• • • • • • • • • • • •	TRE	ND ESTIMATES (% cha	ange from preceding m	onth)	• • • • • • • • •
1998		IND LOTHWINTLO (70 OH	ange from preceding in	Ontin)	
September	-0.6	2.8	-0.3	1.7	0.2
October	0.0	3.3	0.3	8.3	2.4
November	0.4	4.9	0.8	14.4	4.5
December	0.2	5.7	0.7	12.7	4.3
<b>1999</b>	0.2	J.1	0.1	14.1	4.3
January	0.0	4.1	0.4	5.9	2.2
February	0.5	4.1 1.7	0.4	-2.0	-0.3
-					
March	1.8	0.6	1.7	-8.2	-1.6
April	3.5	0.7	3.2	-8.9	-0.5
May	4.9	0.4	4.4	-3.1	2.3
June	4.9	0.2	4.5	6.5	5.0
July	4.2	0.4	3.8	12.3	6.1
August	3.3	0.4	3.0	9.6	4.9
September	2.7	0.4	2.5	5.0	3.3
October	2.6	0.4	2.4	1.5	2.1
November	1.9	1.6	1.9	0.2	1.4

<sup>(</sup>a) Refer to Explanatory Notes paragraph 12.

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Daviad	New	New other residential	Alterations and additions to residential	Companies (a)	Non- residential	Total dwelling
Period	houses	building	buildings	Conversion(a)	building(a)	units
	• • • • • • • • • • • • •	PRI	VATE SECTOR (Num	ber)		• • • • • • •
1996-1997	13 067	1 682	56	3	32	14 840
1997-1998	14 960	2 026	45	21	40	17 092
1998-1999	16 957	2 313	31	101	36	19 438
1998						
November	1 392	184	4	3	5	1 588
December	1 381	175	2	15	2	1 575
<b>1999</b> January	1 142	108	2	0	0	1 252
February	1 284	201	3	0	1	1 489
March	1 562	218	1	77	0	1 858
April	1 372	187	0	0	12	1 571
May	1 580	221	2	3	0	1 806
June	1 636	419	8	0	5	2 068
July	1 685	341	6	3	2	2 037
August	1 728	257	3	13	8	2 009
September	1 595	312	1	0	4	1 912
October	1 630	141	5	0	1	1 777
November	1 990	363	8	0	3	2 364
• • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			• • • • • • • •
		PU	BLIC SECTOR (Numb	per)		
1996-1997	565	331	6	0	0	902
1997-1998	868	500	0	0	0	1 368
1998-1999	442	636	7	0	0	1 085
1998						
November	9	45	7	0	0	61
December	10	56	0	0	0	66
1999						
January	6	49	0	0	0	55
February	6	52	0	0	0	58
March	44	36	0	0	0	80
April	52	2	0	0	0	54
May June	50 125	85 193	0 0	0	0 0	135 318
July	125	4	1	0	0	6
August	17	33	8	0	0	58
September	14	137	0	0	0	151
October	13	29	0	0	0	42
November	19	2	4	0	0	25
• • • • • • • • • • • •				· · · · · · · · · · · · · · · · · · ·		
			TOTAL (Number)			
1996-1997	13 632	2 013	62	3	32	15 742
1997-1998	15 828	2 526	45	21	40	18 460
1998-1999	17 399	2 949	38	101	36	20 523
1998						
November	1 401	229	11	3	5	1 649
December	1 391	231	2	15	2	1 641
1999				_	_	
January	1 148	157	2	0	0	1 307
February	1 290	253	3	0	1	1 547
March	1 606	254	1	77	0	1 938
April	1 424	189	0	0	12	1 625
May	1 630	306	2	3	0	1 941
June	1 761	612	8 7	0	5 2	2 386
July August	1 686 1 745	345		3		2 043 2 067
September	1 745 1 609	290 449	11	13 0	8 4	2 067
October	1 643	449 170	1 5	0	1	2 063 1 819
November	2 009	365	5 12	0	3	2 389
INOVEITIBEI			14	U	J	2 309
	(a) See Glossary for	r definition.				

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eriod	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 buildin
• • • • • • • • • •	• • • • • • • • •	• • • • • • • • •	PRIVAT	E SECTOR (\$ mill	ion)	• • • • • • • • • •	• • • • • • • • • •	• • • • •
996-1997	1 294.1	154.0	4.8	163.9	0.1	1 616.6	773.9	2 390
997-1998	1 561.5	189.6	2.4	182.5	0.9	1 936.9	706.7	2 643
998-1999	1 851.4	253.1	1.8	206.6	8.7	2 321.8	896.2	3 218
998								
November	148.5	25.9	0.3	16.2	0.2	191.2	64.0	255
December	153.9	20.9	0.1	18.0	1.2	194.0	54.4	248
999	400 F	47.0	0.2	40.7	0.0	462.4	462.0	200
January February	126.5	17.6	0.3	18.7	0.0	163.1	163.8	326
February March	140.0	25.6	0.1	18.0	0.0	183.8	121.3	305
March	172.2	19.5	0.0	18.4	7.1	217.3	81.6	298
April	148.3	20.1	0.0	16.9	0.0	185.4	62.1	247
May	171.3	20.5	0.1	17.3	0.1	209.2	48.5	257
June	191.3	31.9	0.4	15.6	0.0	239.1	56.3	295
July	183.7	42.4	0.6	23.8	0.1	250.5	57.2	307
August	189.2	25.0	0.1	16.1	6.5	236.9	61.1	298
September	182.0	30.5	0.1	17.8	0.0	230.4	58.7	289
October	187.4	15.3	0.6	17.9	0.0	221.1	69.8	291
November	233.1	33.9	0.7	24.1	0.0	291.9	48.1	340
• • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • •	PUBLIC	SECTOR (\$ milli	on)	• • • • • • • • • • •	• • • • • • • • • •	• • • • •
996-1997	54.9	21.7	0.1	4.0	0.0	80.5	430.0	510
997-1998	72.9	32.5	0.0	1.7	0.0	107.4	193.3	300
998-1999	46.8	44.8	0.4	5.4	0.0	97.5	210.7	308
998								
November	1.0	2.6	0.4	0.2	0.0	4.3	13.0	17
December	1.5	3.8	0.0	0.0	0.0	5.3	25.1	30
999	2.0	0.0	0.0	0.0	0.0	0.0	20.2	
January	0.8	3.3	0.0	0.7	0.0	4.8	33.3	38
February	0.6	3.2	0.0	0.1	0.0	4.0	34.9	38
March	4.1	3.0	0.0	0.5	0.0	7.6	12.0	19
April	6.2	0.3	0.0	1.5	0.0	7.9	9.2	17
May	5.7	6.2	0.0	0.3	0.0	12.2	16.9	29
June	12.5	14.3	0.0	0.1	0.0	26.9	17.2	44
July	0.1	0.6	0.2	0.2	0.0	1.1	45.4	40
August	1.8	1.8	0.4	1.0	0.0	5.0	51.7	
								56
September October	1.2	12.5	0.0	0.0	0.0	13.7	74.6	88
November	1.4 2.2	2.1 0.6	0.0 0.2	0.4 0.4	0.0 0.0	4.0 3.3	65.4 46.9	69 50
• • • • • • • • • •	• • • • • • • • •	• • • • • • • • •	T.		• • • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • • •	• • • • •
				OTAL (\$ million)				
996-1997	1 348.9	175.8	4.9	167.7	0.1	1 697.3	1 204.5	2 901
997-1998	1 634.2	222.0	2.4	184.3	0.9	2 043.9	899.8	2 943
998-1999	1 898.5	298.3	2.3	212.2	8.7	2 419.7	1 106.9	3 526
998								
November	149.5	28.5	0.8	16.5	0.2	195.4	77.0	27
December	155.4	24.7	0.1	18.0	1.2	199.4	79.5	27
999								
January	127.4	20.9	0.3	19.4	0.0	167.9	197.1	36
February	140.7	28.9	0.1	18.1	0.0	187.8	156.3	34
March	176.3	22.6	0.0	19.0	7.1	225.0	93.5	31
April	154.5	20.4	0.0	18.4	0.0	193.3	71.3	26
May	177.0	26.7	0.1	17.6	0.1	221.4	65.4	28
June	203.8	46.2	0.4	15.7	0.0	266.1	73.4	33
July	183.8	42.9	0.8	24.0	0.1	251.6	102.6	35
August	191.0	26.8	0.6	17.1	6.5	242.0	112.8	35
September	183.2	43.0	0.1	17.8	0.0	244.1	133.3	37
October	188.9	17.4	0.6	18.3	0.0	225.1	135.3	36
November	235.4	34.4	0.9	24.5	0.0	295.2	95.1	39
		or definition.						



NEW OTHER RESIDENTIAL BUILDING....

	New houses		hed, row or ter s, etc of		Flats, unit	s or apartment	's in a building	of	Total	Total new residential building
Period		One storey	Two or more storeys	Total	One or two storeys	Three storeys	Four or more storeys	Total		
• • • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • • •	NUMBER	OF DWELL	INGS	• • • • • • •		• • • • • • • • •	• • • • • •
1996-1997	13 632	1 179	376	1 555	75	194	189	458	2 013	15 645
1997-1998	15 828	1 672	324	1 996	166	95	269	530	2 526	18 354
1998-1999	17 399	1 536	692	2 228	58	157	506	721	2 949	20 348
1998										
September	1 256	75	48	123	0	12	15	27	150	1 406
October	1 461	91	40	131	14	0	24	38	169	1 630
November	1 401	138	52	190	0	0	39	39	229	1 630
December	1 391	134	67	201	0	0	30	30	231	1 622
1999										
January	1 148	104	41	145	0	0	12	12	157	1 305
February	1 290	95	113	208	0	0	45	45	253	1 543
March	1 606	189	38	227	0	0	27	27	254	1 860
April	1 424	72	44	116	9	30	34	73	189	1 613
May	1 630	126	65	191	11	80	24	115	306	1 936
June	1 761	285	91	376	0	27	209	236	612	2 373
July	1 686	58	85	143	21	81	100	202	345	2 031
August	1 745	180	26	206	60	0	24	84	290	2 035
September	1 609	297	64	361	25	8	55	88	449	2 058
October	1 643	112	52	164	0	6	0	6	170	1 813
November	2 009	211	51	262	92	0	11	103	365	2 374
• • • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • • •
				VALU	JE (\$ millio	n)				
1996-1997	1 349.0	86.5	31.9	118.4	7.5	17.9	31.9	57.3	175.7	1 524.6
1997-1998	1 634.3	117.3	31.4	148.7	13.5	10.7	49.2	73.4	222.1	1 856.4
1998-1999	1 898.4	107.7	82.1	189.8	5.7	13.7	89.0	108.4	298.2	2 196.6
1000										
1998	124.4	E 2	4.0	10.1	0.0	0.0	11	ΕO	4 = 4	140 5
September October	134.4	5.3	4.8	10.1	0.0	0.9	4.1	5.0	15.1	149.5
November	160.6	6.2	3.0 9.7	9.2	1.4 0.0	0.0 0.0	4.6	6.0	15.2	175.8
	149.5 155.4	9.4		19.0		0.0	9.4	9.4	28.5	178.0
December 1999	155.4	9.8	8.7	18.5	0.0	0.0	6.2	6.2	24.7	180.1
	127.4	7.9	6.4	14.2	0.0	0.0	6.7	6.7	20.9	148.3
January				18.4						
February March	140.7 176.3	6.8 12.7	11.6 4.3	18.4 17.0	0.0 0.0	0.0 0.0	10.5 5.5	10.5 5.5	28.9 22.6	169.5 198.9
										174.9
April May	154.5 177.0	5.6	6.0	11.5	0.7	2.4	5.7	8.9	20.4	203.6
June	203.8	9.2 18.6	6.6 8.6	15.8 27.1	1.3 0.0	6.8 3.0	2.8 16.1	10.9 19.1	26.7 46.2	203.6 250.0
June July						3.0 6.7				
•	183.8	5.1	11.1	16.3	2.8		17.2	26.7	42.9	226.7
August	191.0	13.3	3.2	16.6	3.3	0.0	6.9	10.2	26.8	217.8
September October	183.2	25.8	6.8	32.6	1.6	1.0	7.8	10.4	43.0	226.2
	188.9	8.9	7.2	16.1	0.0	1.3	0.0	1.3	17.4	206.2
November	235.4	16.0	6.1	22.1	10.3	0.0	2.0	12.3	34.4	269.8

<sup>(</sup>a) See Glossary for definition.

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
• • • • • • • • • • • • •	• • • • • • • • • • • •			• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • •		• • • • • •
			ORIGINA	L (\$ million)			
1996-1997	1 352.6	178.2	1 530.8	173.0	1 703.9	1 224.2	2 924.0
1997-1998	1 634.3	222.1	1 856.4	187.6	2 044.0	899.8	2 943.8
1998-1999	1 834.2	294.4	2 128.6	215.5	2 344.1	1 086.9	3 431.0
1998							
June	475.3	81.1	556.3	42.6	598.8	218.4	817.4
September	444.6	64.1	508.7	49.3	557.9	199.4	757.3
December	451.0	67.9	518.9	54.8	573.6	245.5	819.1
1999							
March	426.6	71.3	498.0	61.4	559.4	437.8	997.2
June	512.0	91.1	603.1	50.1	653.1	204.3	857.4
September	527.6	109.2	636.8	63.3	700.1	335.7	1 035.9
• • • • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • •
		ORIG	INAL (% change	from preceding qua	rter)		
1998							
June	28.5	25.1	28.0	-8.4	24.5	15.7	22.0
September	-6.5	-21.0	-8.6	15.7	-6.8	-8.7	-7.4
December	1.4	6.0	2.0	11.2	2.8	23.1	8.2
1999							
March	-5.4	5.1	-4.0	12.2	-2.5	78.3	21.7
June	20.0	27.7	21.1	-18.5	16.8	-53.3	-14.0
September	3.1	19.9	5.6	26.5	7.2	64.4	20.8

<sup>(</sup>a) Reference year for chain volume measures is 1997-98. Refer to Explanatory Notes paragraph 20-21.

<sup>(</sup>b) Refer to Explanatory Notes paragraph 12.

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

	Hotels, n other sho accomm		Chana		Factorios	S	Offices		Other but		Educatio	nal
	accomm	ouation	Shops		ractories		Omces	•••••	premises	i	Euucauo	IIaI
Period	no.	\$m	no.	\$m	no.	\$m	no.	\$m	no.	\$m	no.	\$m
• • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	Val	450	000–\$199	000	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • •
1999				Vai	ue—\$50,	000-\$199	,999					
September	2	0.3	50	4.6	15	1.9	8	0.7	19	1.6	7	0.8
October	4	0.3	59	5.6	11	1.3	14	1.6	14	1.7	4	0.5
November	4	0.3	33	3.0	18	2.2	14	1.5	15	1.6	13	1.6
• • • • • • • • • • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •					• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • •
1999				vaiu	ie—\$200	,000–\$499	9,999					
September	1	0.3	5	1.4	7	1.8	6	1.7	5	1.7	11	2.9
October	3	1.1	7	2.0	10	2.5	4	1.3	12	3.4	9	2.9
November	1	0.2	8	1.9	12	3.7	5	1.9	8	2.2	7	1.9
• • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	Valu	\$500	,000–\$99	0 000	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • •
1999				vaic	ie—ψ500	,000-ψээ.	5,555					
September	0	0.0	1	0.5	0	0.0	0	0.0	0	0.0	7	4.9
October	0	0.0	4	2.8	2	1.3	3	1.6	1	0.5	2	1.8
November	2	1.0	1	0.8	3	1.9	3	1.9	2	1.6	2	1.4
• • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	Value	\$1,000	,000-\$4,9	000 000	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • •
1999				value-	—\$1,000	,000-\$4,8	99,999					
September	1	1.7	2	3.7	1	4.0	1	1.2	1	1.0	7	16.0
October	0	0.0	1	2.5	5	13.8	2	2.6	2	3.7	5	9.4
November	0	0.0	3	4.2	0	0.0	1	1.7	4	6.8	1	3.8
• • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	Valu		0.000		• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • •
1999				vaiu	ie—\$5,00	00,000 and	a over					
September	1	6.8	0	0.0	0	0.0	0	0.0	0	0.0	2	42.0
October	0	0.0	0	0.0	0	0.0	1	14.5	0	0.0	1	32.0
November	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	27.1
• • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •		T-4-1	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • •
					value	e—Total						
1996-1997	91	75.4	408	164.2	319	102.6	314	156.4	402	160.4	120	152.0
1997-1998	99	53.1	445	186.0	287	88.4	283	123.5	398	150.0	128	114.7
1998-1999	90	52.4	486	366.4	270	89.7	274	93.9	396	146.6	124	119.6
1999												
September	5	9.0	58	10.2	23	7.7	15	3.6	25	4.3	34	66.6
October	7	1.3	71	13.0	28	18.9	24	21.6	29	9.3	21	46.8
November	7	1.5	45	9.9	33	7.8	23	7.0	29	12.2	25	35.9



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

Period   No.   Sm   Sm   Sm   Sm   Sm   Sm   Sm   S		Religious	S	Health			ment and nal	Miscellane	ous	Total non-re	
1999	Period	no.	\$m	no.	\$m	no.	\$m	no.	\$m	no.	\$m
September   3	• • • • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •	Value—\$	50,000-\$1	.99,999	• • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • •
October November         0         0.0         3         0.5         3         0.3         3         0.4         115         12.2           November         4         0.4         2         0.1         3         0.3         8         0.8         114         11.9           Value—\$200,000-\$499,999           September         2         0.5         0         0.0         2         0.6         3         1.2         42         12.1           October         4         1.4         0         0.0         1         0.3         2         0.6         52         15.4         4         12.1         15.4         15.5         15.4         12.1         15.4         12.1         15.5         15.4         12.1         15.4         12.1         15.5         15.4         12.1         15.1         15.1         15.4         12.1         12.1         15.1         15.4         12.1	1999										
November		3								112	11.1
Value   \$200,000   \$499,999   \$1999   \$1999   \$14   \$15.5   1991   \$1990   \$		-									
1999	November	4	0.4	2	0.1	3	0.3	8	8.0	114	11.9
1999	• • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	Value—\$3	200 000_\$	/aa aaa	• • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • •
September         2         0.5         0         0.0         2         0.6         3         1.2         42         12.1           October         4         1.4         0         0.0         1         0.3         2         0.6         52         15.4           Value—\$500,000-\$999,999           1999           September         1         0.7         1         0.8         1         0.6         5         3.1         16         10.7           Value—\$1,000,000-\$4,999,999           Value—\$1,000,000-\$4,999,999           1999           September         0         0.0         1         1.8         0         0.0         3         4.9         17         34.2           October         0         0.0         1         1.8         0         0.0         3         4.9         17         34.2           October         0         0.0         1         1.8         0         0.0         3         4.9         17         34.2           October         0         0.0         1         1.6         0         0.0         4	1999				ναιας ψ2	-00,000 φ	+55,555				
October 4 1.4 0 0.0 1 0.3 2 0.6 52 15.4 November 1 0.2 5 1.7 3 1.0 0 0 0.0 50 14.8   ***Value***  **Value****  **Value***  **Value**		2	0.5	0	0.0	2	0.6	3	1.2	42	12.1
November 1 0.2 5 1.7 3 1.0 0 0.0 50 14.8  Value—\$500,000-\$999,999  1999  September 1 0.7 1 0.8 1 0.6 5 3.1 16 10.7 October 1 0.8 0 0.0 1 0.8 0 0.0 14 9.7 November 1 0.8 0 0.0 2 1.2 0 0.0 16 10.5  Value—\$1,000,000-\$4,999,999  1999  September 0 0.0 1 1.8 0 0.0 3 4.9 17 34.2 October 0 0.0 1 1.6 0 0.0 4 10.5 20 44.2 November 0 0.0 2 2.2 3 9.0 2 2.9 16 30.7  November 0 0.0 2 10.2 0 0.0 4 10.5 20 44.2 November 0 0.0 2 2.2 3 9.0 2 2.9 16 30.7  September 0 0.0 2 10.2 0 0.0 1 6.2 6 65.1 October 0 0.0 1 7.3 0 0.0 0 1 6.2 6 65.1 October 0 0.0 1 7.3 0 0.0 0 0 0.0 3 53.8 November 0 0.0 1 7.3 0 0.0 0 0 0.0 3 53.8 November 0 0.0 0 1 7.3 0 0.0 0 0.0 0 0.0 2 2.1 10.0 0.0 0 0.0 0 0.0 0.0 0.0 0.0 0.0		4		0		1	0.3				15.4
1999   September											
1998	• • • • • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • •				• • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • •
September         1         0.7         1         0.8         1         0.6         5         3.1         16         10.7           October         1         0.8         0         0.0         1         0.8         0         0.0         14         9.7           Value—\$1,000,000-\$4,999,999           Value—\$1,000,000-\$4,999,999           September         0         0.0         1         1.8         0         0.0         3         4.9         17         34.2           October         0         0.0         1         1.6         0         0.0         4         10.5         20         44.2           November         0         0.0         2         2.2         3         9.0         2         2.9         16         30.7           Value—\$5,000,000 and over           1999           September         0         0.0         2         10.2         0         0.0         1         6.2         6         65.1           October         0         0.0         1         7.3         0         0.0         0         0         0         0         2 <td>1999</td> <td></td> <td></td> <td></td> <td>Value—\$5</td> <td>500,000–\$9</td> <td>999,999</td> <td></td> <td></td> <td></td> <td></td>	1999				Value—\$5	500,000–\$9	999,999				
October November         1         0.8         0         0.0         1         0.8         0         0.0         14         9.7           Value—\$1,000,000-\$4,999,999           Value—\$1,000,000-\$4,999,999           September         0         0.0         1         1.8         0         0.0         3         4.9         17         34.2           October         0         0.0         1         1.6         0         0.0         4         10.5         20         44.2           November         0         0.0         2         2.2         3         9.0         2         2.9         16         30.7           Value—\$5,000,000 and over           1999           September         0         0.0         2         10.2         0         0.0         1         6.2         6         65.1           October         0         0.0         1         7.3         0         0.0         0         0         0         2         27.1           Value—Total           1996-1997         20         5.4         69         214.5         98 <th< td=""><td></td><td>1</td><td>0.7</td><td>1</td><td>0.8</td><td>1</td><td>0.6</td><td>5</td><td>3.1</td><td>16</td><td>10.7</td></th<>		1	0.7	1	0.8	1	0.6	5	3.1	16	10.7
November   1   0.8   0   0.0   2   1.2   0   0.0   16   10.5											
Value	November	1	0.8	0	0.0	2	1.2	0	0.0	16	10.5
September   0	• • • • • • • • • • • • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • • •				• • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • •
September         0         0.0         1         1.8         0         0.0         3         4.9         17         34.2           October         0         0.0         1         1.6         0         0.0         4         10.5         20         44.2           November         0         0.0         2         2.2         3         9.0         2         2.9         16         30.7           Value—\$5,000,000 and over           Value—\$5,000,000 and over           September         0         0.0         2         10.2         0         0.0         1         6.2         6         65.1           October         0         0.0         1         7.3         0         0.0         0         0.0         3         53.8           November         0         0.0         0         0.0         0         0.0         0         0.0         2         27.1           Value—Total           1996-1997         20         5.4         69         214.5         98         92.2         117         81.3         1 958         1 204.4           1997-1998         27	1999				Value—\$1,0	000,000-\$4	4,999,999				
October November         0         0.0         1         1.6         0         0.0         4         10.5         20         44.2           November         Value—\$5,000,000 and over           1999           September         0         0.0         2         10.2         0         0.0         1         6.2         6         65.1           October         0         0.0         1         7.3         0         0.0         0         0.0         3         53.8           November         0         0.0         1         7.3         0         0.0         0         0.0         3         53.8           November         0         0.0         0         0.0         0         0.0         0         0         0         0         2         27.1           Value—Total           1996-1997         20         5.4         69         214.5         98         92.2         117         81.3         1958         1 204.4           1998-1999         15         9.1         68         52.7         85         106.1         92         70.5         1900		0	0.0	1	1.8	0	0.0	3	<i>A</i> 9	17	34.2
November 0 0.0 2 2.2 3 9.0 2 2.9 16 30.7  Value—\$5,000,000 and over  1999  September 0 0.0 2 10.2 0 0.0 1 6.2 6 65.1 October 0 0.0 1 7.3 0 0.0 0 0.0 3 53.8 November 0 0.0 0 0 0 0.0 0 0.0 0 0.0 2 27.1  Value—Total  1996-1997 20 5.4 69 214.5 98 92.2 117 81.3 1 958 1 204.4 1997-1998 27 8.7 56 72.5 86 65.3 92 37.6 1 901 899.8 1998-1999 15 9.1 68 52.7 85 106.1 92 70.5 1 900 1 106.8  1999  September 6 1.5 5 12.9 8 1.9 14 15.5 193 133.3 October 5 2.1 5 9.4 5 1.3 9 11.5 204 135.3						-					
Value—\$5,000,000 and over  1999  September 0 0.0.0 2 10.2 0 0.0 1 6.2 6 65.1 October 0 0.0 1 7.3 0 0.0 0 0.0 3 53.8 November 0 0.0 0 0 0.0 0 0.0 0 0.0 0 0.0 2 27.1   Value—Total  1996-1997 20 5.4 69 214.5 98 92.2 117 81.3 1958 1 204.4 1997-1998 27 8.7 56 72.5 86 65.3 92 37.6 1901 899.8 1998-1999 15 9.1 68 52.7 85 106.1 92 70.5 1900 1 106.8  1999  September 6 1.5 5 12.9 8 1.9 14 15.5 193 133.3 October 5 2.1 5 9.4 5 1.3 9 11.5 204 135.3											
September   O   O.0   2   10.2   O   O.0   1   6.2   6   65.1	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • •	• • • • • • • •				• • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • •
September         0         0.0         2         10.2         0         0.0         1         6.2         6         65.1           October         0         0.0         1         7.3         0         0.0         0         0.0         3         53.8           November         0         0.0         0         0.0         0         0.0         0         0.0         2         27.1     **Potential**  **Potential*  **Potential**  **Potential*					Value—\$5	5,000,000	and over				
October November         0         0.0         1         7.3         0         0.0         0         0.0         3         53.8           November         Value—Total           Value—Total           1996-1997         20         5.4         69         214.5         98         92.2         117         81.3         1 958         1 204.4           1997-1998         27         8.7         56         72.5         86         65.3         92         37.6         1 901         899.8           1998-1999         15         9.1         68         52.7         85         106.1         92         70.5         1 900         1 106.8           1999           September         6         1.5         5         12.9         8         1.9         14         15.5         193         133.3           October         5         2.1         5         9.4         5         1.3         9         11.5         204         135.3		_		_		_		_		_	
November 0 0.0 0 0.0 0 0.0 0 0.0 0 0.0 2 27.1  Value—Total  1996-1997 20 5.4 69 214.5 98 92.2 117 81.3 1958 1 204.4 1997-1998 27 8.7 56 72.5 86 65.3 92 37.6 1 901 899.8 1998-1999 15 9.1 68 52.7 85 106.1 92 70.5 1 900 1 106.8  1999  September 6 1.5 5 12.9 8 1.9 14 15.5 193 133.3 October 5 2.1 5 9.4 5 1.3 9 11.5 204 135.3											
Value—Total  1996-1997 20 5.4 69 214.5 98 92.2 117 81.3 1 958 1 204.4 1997-1998 27 8.7 56 72.5 86 65.3 92 37.6 1 901 899.8 1998-1999 15 9.1 68 52.7 85 106.1 92 70.5 1 900 1 106.8  1999  September 6 1.5 5 12.9 8 1.9 14 15.5 193 133.3 October 5 2.1 5 9.4 5 1.3 9 11.5 204 135.3		-				-		-			
1996-1997     20     5.4     69     214.5     98     92.2     117     81.3     1 958     1 204.4       1997-1998     27     8.7     56     72.5     86     65.3     92     37.6     1 901     899.8       1998-1999     15     9.1     68     52.7     85     106.1     92     70.5     1 900     1 106.8       1999       September     6     1.5     5     12.9     8     1.9     14     15.5     193     133.3       October     5     2.1     5     9.4     5     1.3     9     11.5     204     135.3	November	0	0.0	0	0.0	0	0.0	0	0.0	2	27.1
1996-1997     20     5.4     69     214.5     98     92.2     117     81.3     1 958     1 204.4       1997-1998     27     8.7     56     72.5     86     65.3     92     37.6     1 901     899.8       1998-1999     15     9.1     68     52.7     85     106.1     92     70.5     1 900     1 106.8       1999       September     6     1.5     5     12.9     8     1.9     14     15.5     193     133.3       October     5     2.1     5     9.4     5     1.3     9     11.5     204     135.3	• • • • • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	V	alue—Total		• • • • • • •	• • • • • • • •	• • • • • • • •	• • • • •
1997-1998       27       8.7       56       72.5       86       65.3       92       37.6       1 901       899.8         1998-1999       15       9.1       68       52.7       85       106.1       92       70.5       1 900       1 106.8         1999         September       6       1.5       5       12.9       8       1.9       14       15.5       193       133.3         October       5       2.1       5       9.4       5       1.3       9       11.5       204       135.3					•						
1998-1999     15     9.1     68     52.7     85     106.1     92     70.5     1 900     1 106.8       1999       September     6     1.5     5     12.9     8     1.9     14     15.5     193     133.3       October     5     2.1     5     9.4     5     1.3     9     11.5     204     135.3	1996-1997	20	5.4	69	214.5	98	92.2	117	81.3	1 958	1 204.4
1999       September     6     1.5     5     12.9     8     1.9     14     15.5     193     133.3       October     5     2.1     5     9.4     5     1.3     9     11.5     204     135.3	1997-1998	27	8.7	56	72.5	86	65.3	92	37.6	1 901	899.8
September       6       1.5       5       12.9       8       1.9       14       15.5       193       133.3         October       5       2.1       5       9.4       5       1.3       9       11.5       204       135.3	1998-1999	15	9.1	68	52.7	85	106.1	92	70.5	1 900	1 106.8
October 5 2.1 5 9.4 5 1.3 9 11.5 204 135.3	1999										
	September	6	1.5	5	12.9	8	1.9	14	15.5	193	133.3
November 6 1.4 9 4.1 11 11.5 10 3.7 198 95.1	October	5	2.1	5	9.4	5	1.3	9	11.5	204	135.3
	November	6	1.4	9	4.1	11	11.5	10	3.7	198	95.1

	Hotels, motels				Othor				Entortoin		Total non
	and other short term accomm-				Other business				Entertain- ment and	Miscell-	Total non- residential
Period	odation	Shops	Factories	Offices	premises	Educational	Religious	Health	recreational	aneous	building
• • • • • • • • • •										• • • • • •	
				PRIVA	ATE SECTO	R (\$ million	)				
1996-1997	75.5	162.8	96.2	117.2	113.7	38.8	5.3	96.1	36.6	32.5	773.9
1997-1998	51.7	185.4	86.4	81.6	142.0	32.0	8.7	58.4	39.4	21.1	706.7
1998-1999	51.8	363.5	86.2	70.2	138.8	51.5	9.0	32.2	75.7	17.0	896.2
1998	0.7	10.1	7.0	2.2	47.0	0.4	0.0	2.0	2.5	2.0	64.0
November December	2.7 8.2	13.4 18.6	7.2 3.8	3.3	17.3 3.7	9.4	0.6 0.0	3.0 2.8	3.5 8.5	3.6 0.4	64.0 54.4
<b>1999</b>	8.2	18.6	3.8	5.3	3.1	3.1	0.0	2.8	8.5	0.4	54.4
January	8.5	118.7	11.5	9.4	10.7	2.4	0.0	1.7	0.4	0.5	163.8
February	3.1	85.2	6.6	8.1	11.8	1.2	0.0	1.7	2.3	1.3	121.3
March	5.0	29.1	8.0	5.0	13.4	3.9	0.7	2.4	11.8	2.3	81.6
April	3.0	16.5	8.5	3.5	17.6	5.7	0.0	4.7	1.0	1.5	62.1
May	1.2	10.8	4.3	11.0	11.9	1.5	0.6	1.6	4.3	1.3	48.5
June	3.6	17.9	5.7	2.2	7.5	4.4	6.3	7.0	1.0	0.7	56.3
July	8.7	14.6	4.6	7.0	12.6	4.2	0.5	1.4	0.3	3.5	57.2
August	0.5	20.9	10.2	3.9	12.1	2.5	1.4	2.1	5.5	1.9	61.1
September	9.0	10.2	7.7	1.8	4.3	7.5	1.5	12.2	1.7	2.7	58.7
October	1.3	13.0	16.2	5.4	9.2	10.5	2.1	7.7	1.0	3.3	69.8
November	1.0	9.9	7.3	6.4	10.0	3.8	1.4	1.7	6.0	0.6	48.1
• • • • • • • • • •	• • • • • • • • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • • •	• • • • • • • •	• • • • • • •	• • • • •	• • • • • • • • •	• • • • • •	• • • • • • • •
				PUBL	IC SECTO	R (\$ million)					
1996-1997	0.0	1.6	6.5	39.2	46.8	113.1	0.2	118.4	55.7	48.7	430.0
1997-1998	1.4	0.7	2.1	41.7	8.0	82.7	0.0	14.1	25.9	16.7	193.3
1998-1999	0.6	2.9	3.5	23.7	7.8	68.3	0.0	20.4	30.4	53.4	210.7
1000											
<b>1998</b> November	0.1	0.2	1.6	0.8	1.5	4.7	0.0	3.5	0.2	0.5	13.0
December	0.0	0.2	0.0	9.5	0.0	4.0	0.0	0.0	0.1	11.5	25.1
1999	0.0	0.0	0.0	3.3	0.0	4.0	0.0	0.0	0.1	11.5	23.1
January	0.0	0.0	0.0	0.6	0.0	17.6	0.0	14.2	0.1	0.8	33.3
February	0.0	0.0	0.0	0.0	4.5	5.0	0.0	1.2	20.8	3.4	34.9
March	0.0	0.2	0.0	0.9	0.0	7.2	0.0	0.0	0.1	3.7	12.0
April	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	8.8	9.2
May	0.0	0.2	0.0	0.3	0.3	9.4	0.0	0.0	5.9	0.8	16.9
June	0.0	0.5	0.0	0.1	0.8	0.0	0.0	0.0	0.9	14.9	17.2
July	0.1	0.0	0.0	3.6	0.2	26.6	0.0	0.0	0.0	14.9	45.4
August	0.0	8.0	0.0	0.9	0.0	34.7	0.0	0.5	1.5	13.2	51.7
September	0.0	0.0	0.0	1.8	0.0	59.1	0.0	8.0	0.1	12.8	74.6
October	0.0	0.0	2.7	16.2	0.1	36.2	0.0	1.7	0.3	8.2	65.4
November	0.5	0.0	0.5	0.6	2.2	32.1	0.0	2.4	5.5	3.1	46.9
• • • • • • • • • •	• • • • • • • • • • • •	• • • • • •	• • • • • • •	• • • • • •			• • • • • • •	• • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • •
					TOTAL (\$	million)					
1996-1997	75.5	164.3	102.8	156.4	160.3	151.9	5.5	214.5	92.3	81.3	1 204.5
1997-1998	53.1	186.0	88.6	123.5	149.9	114.6	8.7	72.5	65.1	37.6	899.8
1998-1999	52.4	366.3	89.7	93.8	146.6	119.7	9.0	52.6	106.0	70.3	1 106.9
1998											
November	2.7	13.6	8.8	4.1	18.9	14.1	0.6	6.5	3.6	4.0	77.0
December	8.2	18.6	3.8	14.7	3.7	7.1	0.0	2.8	8.7	11.9	79.5
1999	0.2	10.0	0.0		0		0.0	2.0	<b></b>	22.0	
January	8.5	118.7	11.5	10.1	10.7	20.0	0.0	15.9	0.5	1.3	197.1
February	3.1	85.2	6.6	8.1	16.3	6.2	0.0	2.9	23.1	4.7	156.3
March	5.0	29.2	8.0	5.9	13.4	11.0	0.7	2.4	11.9	6.0	93.5
April	3.0	16.5	8.5	3.5	17.6	5.7	0.0	4.9	1.2	10.3	71.3
May	1.2	11.0	4.3	11.3	12.3	10.8	0.6	1.6	10.2	2.1	65.4
June	3.6	18.5	5.7	2.3	8.2	4.4	6.3	7.0	1.8	15.6	73.4
July	8.9	14.6	4.6	10.6	12.7	30.7	0.5	1.4	0.3	18.3	102.6
August	0.5	21.7	10.2	4.8	12.1	37.3	1.4	2.7	7.0	15.1	112.8
September	9.0	10.2	7.7	3.6	4.3	66.6	1.5	12.9	1.9	15.5	133.3
October	1.3	13.0	18.9	21.6	9.3	46.8	2.1	9.4	1.3	11.5	135.3
November	1.5	9.9	7.8	7.0	12.2	35.9	1.4	4.1	11.5	3.7	95.1

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# BUILDING APPROVED IN THE PERTH STATISTICAL DIVISION: Original

		NGS (no.)							
eriod	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
• • • • • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •	PRIVAT	E SECTOR	• • • • • • • • • • •	• • • • • • • • • •	• • • • • • • • •	• • • • • • •
997-1998 998-1999	10 296 11 860	1 546 1 936	11 930 13 941	1 074 780 1 299 054	152 837 222 359	150 499 178 670	1 378 116 1 700 083	523 117 707 418	1 901 2 2 407 5
998									
November	950	180	1 134	99 952	25 543	12 818	138 313	49 880	188 1
December	1 020	162	1 199	113 570	18 895	15 542	148 007	43 627	191 6
<b>999</b> January	847	84	933	95 321	15 093	16 557	126 970	147 398	274 3
February	947	185	1 134	104 523	24 095	14 725	143 343	110 423	253 7
March	1 105	152	1 335	121 267	15 251	21 651	158 170	56 035	214 2
April	943	179	1 134	102 181	19 385	13 624	135 191	42 726	177 9
May	1 113	121	1 236	119 624	11 409	14 967	145 999	27 685	173 6
June	1 107	354	1 472	133 535	28 810	13 512	175 858	44 612	220 4
July	1 183	247	1 435	129 030	35 215	17 257	181 501	37 346	218
August	1 170	213	1 399	127 614	20 939	19 455	168 007	34 305	202
September	1 129	267	1 401	128 585	27 003	14 056	169 644	41 146	210
October	1 180	94	1 278	136 847	9 733	14 561	161 141	51 948	213 (
November	1 481	351	1 840	174 209	32 435	20 703	227 348	33 250	260 9
• • • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •	DIIRII	C SECTOR	• • • • • • • • • • •	• • • • • • • • • •	• • • • • • • • •	• • • • • •
				1 OBEI	O SECTOR				
997-1998 998-1999	493 151	389 398	882 549	33 838 12 124	22 635 26 592	1 383 5 222	57 856 43 938	128 996 145 021	186 8 188 9
998									
November	1	10	11	140	752	99	991	8 871	9 8
December 999	2	36	38	266	2 065	12	2 343	21 664	24 (
January	3	35	38	427	2 056	660	3 143	26 997	30
February	0	28	28	0	1 677	120	1 797	21 265	23 (
March	25	20	45	1 917	1 433	515	3 865	11 205	15
April	16	0	16	1 095	0	1 485	2 580	3 460	6
May	12	74	86	1 032	5 227	340	6 599	8 798	15
June	57	132	189	4 554	8 654	100	13 308	14 782	28
July	0	0	0	0	0	220	220	34 725	34
August	7	0	7	433	0	990	1 423	44 238	45
September	13	137	150	1 038	12 507	0	13 544	66 115	79
October November	1 2	24 0	25 6	155 203	1 531 0	420 517	2 106 720	55 884 17 974	57 18
November		0	• • • • • • • •	203		517	120	11 914	19
				T	OTAL				
997-1998 998-1999	10 789 12 011	1 935 2 334	12 812 14 490	1 108 618 1 311 178	175 472 248 950	151 882 183 892	1 435 972 1 744 020	652 112 852 438	2 088 0 2 596 4
998									
November	951	190	1 145	100 092	26 295	12 917	139 304	58 751	198
December	1 022	198	1 237	113 835	20 960	15 554	150 350	65 291	215
999 January	050	110	074	OE 740	47440	17047	420 442	174 205	204
January	850 047	119	971	95 748	17 149	17 217	130 113	174 395	304
February March	947	213	1 162	104 523	25 771 16 684	14 845	145 140 162 025	131 688	276
	1 130	172 170	1 380	123 184	16 684 10 385	22 166 15 100	162 035	67 240 46 186	229
April May	959 1 125	179 195	1 150 1 322	103 277 120 656	19 385 16 636	15 109 15 307	137 771 152 599	46 186 36 483	183 189
June	1 125	195 486	1 322	138 089	37 464	15 307 13 612	152 599 189 165	36 483 59 394	189 248
July	1 183	486 247	1 435	129 030	35 215	17 477	189 165	59 394 72 071	248 253
August	1 183	213	1 435	129 030	20 939	20 445	169 430	72 07 1 78 543	253 247
, iugusi	1 142	404	1 551	129 623	39 509	20 445 14 056	183 188	107 262	290
Sentember	1 142	+04	T OOT	123 023	39 309	14 000	TO2 TO9	101 202	290
September October	1 181	118	1 303	137 002	11 264	14 981	163 247	107 833	271

VALUE (\$'000).....

DWELLINGS (no.).....

	Now	New other	Total	Nous	New other	Alterations and additions to residential	Total residential	Non-	Total
Statistical Area	New houses	residential building	Total dwellings(a)	New houses	residential building	buildings(b)	building	residential building	Total building
• • • • • • • • • • • • • • • • • • • •	• • • • •	• • • • • •	• • • • • • • •	• • • • • • • • • • •	• • • • • •	• • • • • • • •	• • • • • •	• • • • • •	• • • • • •
WESTERN AUSTRALIA Perth (SD)	2 009 1 483	365 351	2 389 1 846	235 394 174 412		25 374 21 220	295 205 228 068	95 064 51 224	390 269 279 292
Central Metropolitan (SSD)	69	64	134	17 222	8 364	6 012	31 597	8 349	39 947
Cambridge (T)	9	0	9	1 647	0	790	2 437	1 177	3 615
Claremont (T)	5	57	62	1 285	7 554	849	9 688	941	10 628
Cottesloe (T)	7	0	7	2 168	0	530	2 699	0	2 699
Mosman Park (T)	8	0	8	2 017	0	530	2 547	50	2 597
Nedlands (C)	13	0	13	4 786	0	1 596	6 382	270	6 652
Peppermint Grove (S)	1	0	1	500	0	287	787	345	1 132
Perth (C)-Inner	0	0	0	0	0	80	80	586	666
Perth (C)–Remainder	1	0	2	350	0	255	605	4 420	5 025
Subiaco (C)	18	0	18	3 414	0	407	3 822	460	4 282
Vincent (T)	7	7	14	1 054	810	686	2 551	100	2 651
East Metropolitan (SSD)	196	17	216	21 752	1 069	2 645	25 466	6 959	32 425
Bassendean (T)	13	0	13	1 424	0	164	1 587	0	1 587
Bayswater (C)	30	3	33	5 053	150	319	5 523	0	5 523
Kalamunda (S)	29	0	29	2 874	0	334	3 208	0	3 208
Mundaring (S)	20	2	22	2 311	60	812	3 183	3 005	6 188
Swan (S)	104	12	119	10 090	859	1 016	11 964	3 954	15 918
North Metropolitan (SSD)	604	198	804	68 876	17 051	5 980	91 907	8 937	100 844
Joondalup (C)–North	126	24	150	14 185	2 078	182	16 444	1 490	17 934
Joondalup (C)-South	23	51	74	4 262	4 030	770	9 062	773	9 835
Stirling (C)-Central	138	62	202	13 392	4 448	669	18 509	4 291	22 799
Stirling (C)–Coastal	93	59	152	15 204	6 360	1 536	23 100	776	23 876
Stirling (C)–South-Eastern	11	0	11	1 806	0	2 076	3 882	140	4 022
Wanneroo (S)-North-East	57	0	57	5 415	0	213	5 628	296	5 924
Wanneroo (S)-North-West	110	0	110	9 930	0	43	9 973	780	10 753
Wanneroo (S)–South	46	2	48	4 683	135	490	5 308	392	5 700
South West Metropolitan (SSD)	293	26	320	31 603	1 800	2 202	35 605	5 981	41 586
Cockburn (C)	106	0	106	9 970	0	300	10 270	845	11 115
East Fremantle (T)	0	0	0	0	0	379	379	0	379
Fremantle (C)-Inner	0	0	0	0	0	0	0	0	0
Fremantle (C)–Remainder	14	26	40	1 919	1 800	772	4 491	3 839	8 330
Kwinana (T)	13	0	13	1 232	0	20	1 251	570	1 821
Melville (C)	68	0	69	9 168	0	275	9 443	0	9 443
Rockingham (C)	92	0	92	9 315	0	456	9 771	727	10 498
South East Metropolitan (SSD)	321	46	372	34 959	4 152	4 381	43 493	20 998	64 490
Armadale (C)	25	0	25	2 706	0	301	3 007	2 350	5 357
Belmont (C)	33	15	48	3 535	1 483	214	5 232	3 388	8 620
Canning (C)	76	1	77	8 153	207	1 036	9 396	13 111	22 507
Gosnells (C)	107	28	139	10 384	1 827	574	12 785	1 685	14 470
Serpentine–Jarrahdale (S)	22	0	22	2 277	0	168	2 445	0	2 445
South Perth (C)	29	2	31	4 978	635	1 848	7 461	100	7 561
Victoria Park (T)	29	0	30	2 926	0	240	3 166	363	3 530
South West (SD)	283	8	294	34 121	930	1 588	36 639	30 827	67 466
Dale (SSD)	127	6	133	15 365	630	616	16 611	21 624	38 234
Boddington (S)	3	0	3	359	0	0	359	300	659
Mandurah (C)	99	6	105	12 542	630	377	13 548	21 266	34 814
Murray (S)	21	0	21	1 983	0	239	2 223	58	2 281
Waroona (S)	4	0	4	480	0	0	480	0	480
Preston (SSD)	66	0	68	7 394	0	492	7 887	6 629	14 515
Bunbury (C)	13	0	15	1 558	0	258	1 815	4 962	6 777
Capel (S)	11	0	11	1 233	0	13	1 246	150	1 396
Collie (S)	1	0	1	87	0	20	107	200	307
Dardanup (S)	11	0	11	1 234	0	42	1 276	1 089	2 365
Donnybrook-Balingup (S)	9	0	9	794	0	23	817	0	817
Harvey (S)	21	0	21	2 487	0	137	2 625	228	2 853

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DWELLINGS (no.)	VALUE (\$'000)
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	New	New other residential	Total	New	New other residential	Alterations and additions to residential	Total residential	Non- residential	Total
Statistical Area	houses	building	dwellings(a)	houses	building	buildings(b)	building	buildings	building
• • • • • • • • • • • • • • • • • • • •	• • • • •		• • • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • •	• • • • • •
Vasse (SSD)	76	2	79	9 783	300	416	10 499	2 066	12 566
Augusta–Margaret River (S)	20	0	20	2 183	0	151	2 334	135	2 469
Busselton (S)	56	2	59	7 600	300	265	8 165	1 931	10 096
Blackwood (SSD)	14	0	14	1 579	0	64	1 643	508	2 151
Boyup Brook (S)	0	0	0	0	0	0	0	0	0
Bridgetown–Greenbushes (S)	5	0	5	451	0	10	461	180	641
Manjimup (S) Nannup (S)	8 1	0	8 1	949 180	0	54 0	1 002 180	86 242	1 088 422
Namup (3)	1	U	T	100	U	U	100	242	422
Lower Great Southern (SD)	56	0	56	6 824	0	938	7 762	2 418	10 180
Pallinup (SSD)	1	0	1	120	0	161	281	0	281
Broomehill (S)	0	0	0	0	0	0	0	0	0
Gnowangerup (S)	0	0	0	0	0	0	0	0	0
Jerramungup (S) Katanning (S)	0	0	0	120	0	109	109	0 0	109
Kent (S)	1 0	0	1 0	120 0	0	40 0	160 0	0	160 0
Kojonup (S)	0	0	0	0	0	0	0	0	0
Tambellup (S)	0	0	0	0	0	12	12	0	12
Woodanilling (S)	0	0	0	0	0	0	0	0	0
King (SSD)	55	0	55	6 704	0	777	7 481	2 418	9 899
Albany (C)-Central	20	0	20	2 844	0	234	3 078	2 360	5 438
Albany (C)-Balance	22	0	22	2 740	0	397	3 137	58	3 195
Cranbrook (S)	1	0	1	128	0	0	128	0	128
Denmark (S)	7	0	7	499	0	62	561	0	561
Plantagenet (S)	5	0	5	493	0	84	577	0	577
Upper Great Southern (SD)	16	2	18	1 297	219	11	1 527	0	1 527
Hotham (SSD)	12	0	12	974	0	0	974	0	974
Brookton (S)	0	0	0	0	0	0	0	0	0
Cuballing (S)	0	0	0	0	0	0	0	0	0
Dumbleyung (S)	4	0	4	389	0	0	389	0	389
Narrogin (T)	1	0	1	45	0	0	45	0	45
Narrogin (S)	2	0	2	95	0	0	95	0	95
Pingelly (S)	3	0	3	233	0	0	233	0	233
Wagin (S)	0	0	0	0	0	0	0	0	0
Wandering (S)	2	0	2	212	0	0	212	0	212
West Arthur (S)	0	0	0	0	0	0	0	0	0
Wickepin (S) Williams (S)	0	0	0	0	0	0	0	0	0
Williams (3)	U	0	0	0	0	0	0	0	0
Lakes (SSD)	4	2	6	323	219	11	553	0	553
Corrigin (S)	0	2	2	0	219	0	219	0	219
Kondinin (S)	2	0	2	168	0	11	179	0	179
Kulin (S) Lake Grace (S)	0 2	0 0	0 2	0 155	0	0 0	0 155	0 0	0 155
Lane Grace (3)	2	U	∠	155	U	U	155	U	155
Midlands (SD)	66	0	66	5 919	0	579	6 497	2 219	8 717
Moore (SSD)	23	0	23	2 371	0	119	2 490	190	2 680
Chittering (S)	7	0	7	799	0	119	918	0	918
Dandaragan (S)	4	0	4	417	0	0	417	0	417
Gingin (S)	12	0	12	1 155	0	0	1 155	0	1 155
Moora (S)	0	0	0	0	0	0	0	190	190
Victoria Plains (S)	0	0	0	0	0	0	0	0	0

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Statistical Area	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)	39	0	39	3 269	0	282	3 551	422	3 973
Beverley (S)	4	0	4	293	0	0	293	0	293
Cunderdin (S)	2	0	2	182	0	0	182	0	182
Dalwallinu (S)	0	0	0	0	0	0	0	204	204
Dowerin (S)	0	0	0	0	0	0	0	0	0
Goomalling (S)	0	0	0	0	0	0	0	0	0
Koorda (S)	1	0	1	18	0	0	18	0	18
Northam (T)	6	0	6	457	0	11	468	0	468
Northam (S)	7 3	0 0	7 3	590	0 0	0 0	590 307	78 0	668 307
Quairading (S) Tammin (S)	2	0	3 2	307 156	0	0	307 156	140	30 <i>1</i> 296
Toodyay (S)	4	0	4	311	0	183	494	0	494
Wongan-Ballidu (S)	6	0	6	718	0	19	737	0	737
Wyalkatchem (S)	1	0	1	87	0	0	87	0	87
York (S)	3	0	3	150	0	69	219	0	219
TOTK (3)	5	U	3	150	O	09	219	O	213
Campion (SSD)	4	0	4	278	0	178	456	1 607	2 063
Bruce Rock (S)	0	0	0	0	0	51	51	0	51
Kellerberrin (S)	1	0	1	10	0	12	22	0	22
Merredin (S)	0	0	0	0	0	0	0	1 437	1 437
Mount Marshall (S)	1	0	1	122	0	73	195	0	195
Mukinbudin (S)	0	0	0	0	0	0	0	0	0
Narembeen (S)	2	0	2	146	0	42	188	170	358
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	0	0	0	0
Yilgarn (S)	0	0	0	0	0	0	0	0	0
South Eastern (SD)	31	0	31	3 853	0	217	4 069	5 210	9 280
Lefroy (SSD)	16	0	16	2 122	0	122	2 243	2 126	4 369
Coolgardie (S)	0	0	0	0	0	12	12	0	12
Kalgoorlie/Boulder (C)	16	0	16	2 122	0	110	2 231	1 456	3 687
Laverton (S)	0	0	0	0	0	0	0	0	0
Leonora (S)	0	0	0	0	0	0	0	670	670
Menzies (S)	0	0	0	0	0	0	0	0	0
Ngaanyatjarraku (S)	0	0	0	0	0	0	0	0	0
3 3 3									
Johnston (SSD)	15	0	15	1 731	0	95	1 826	3 085	4 911
Dundas (S)	0	0	0	0	0	11	11	0	11
Esperance (S)	14	0	14	1 654	0	69	1 723	700	2 423
Ravensthorpe (S)	1	0	1	77	0	15	92	2 385	2 477
Central (SD)	42	0	42	5 169	0	309	5 479	923	6 402
Gascoyne (SSD)	4	0	4	623	0	91	713	518	1 231
Carnarvon (S)	0	0	0	0	0	60	60	111	171
Exmouth (S)	3	0	3	573	0	31	603	407	1 010
Shark Bay (S)	1	0	1	50	0	0	50	0	50
Upper Gascoyne (S)	0	0	0	0	0	0	0	0	0
- 4 (007)									
Carnegie (SSD)	0	0	0	0	0	10	10	0	10
Cue (S)	0	0	0	0	0	0	0	0	0
Meekatharra (S)	0	0	0	0	0	10	10	0	10
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

Roebourne (S)

Halls Creek (S)

Wyndham-East Kimberley (S)

Derby-West Kimberley (S)

Kimberley (SD)

Ord (SSD)

Fitzroy (SSD)

Broome (S)

VALUE (\$'000).....

Statistical Area	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)	38	0	38	4 547	0	209	4 755	405	5 160
Carnamah (S)	0	0	0	0	0	0	0	0	0
Chapman Valley (S)	1	0	1	60	0	0	60	0	60
Coorow (S)	0	0	0	0	0	24	24	0	24
Geraldton (C)	7	0	7	1 152	0	11	1 163	235	1 398
Greenough (S)	16	0	16	1 702	0	148	1 850	0	1 850
Irwin (S)	7	0	7	935	0	0	935	0	935
Mingenew (S)	0	0	0	0	0	0	0	0	0
Morawa (S)	1	0	1	11	0	0	11	0	11
Mullewa (S)	0	0	0	0	0	0	0	0	0
Northampton (S)	4	0	4	332	0	15	347	0	347
Perenjori (S)	2	0	2	355	0	11	366	170	536
Three Springs (S)	0	0	0	0	0	0	0	0	0
Pilbara (SD)	9	2	11	1 378	300	300	1 978	0	1 978
De Grey (SSD)	7	2	9	1 135	300	100	1 535	0	1 535
East Pilbara (S)	1	0	1	175	0	0	175	0	175
Port Hedland (T)	6	2	8	960	300	100	1 360	0	1 360
Fortescue (SSD)	2	0	2	243	0	200	443	0	443
Ashburton (S)	1	0	1	50	0	40	90	0	90

193

2 421

0

0

2 421

2 218

203

552

552

552

0

0

0

0

2

0

2

0

0

1

23

0

0

23

21

1

25

0

2

23

21

DWELLINGS (no.).....

160

212

0

35

177

159

18

2 243

1 435

1 435

808

693

115

Ω

353

3 185

Ω

587

2 598

2 377

221

353

5 428

2 022

2 022

3 406

3 070

336

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

<sup>(</sup>b) Refer to Explanatory Notes paragraph 12.

### 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;
- 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 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 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.
- **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 May 1998 issue of this publication, Conversions were published as part of a category called 'Conversions, etc.'. From the May 1998 issue onwards, 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

- **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.

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 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.

#### EXPLANATORY NOTES

**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 re-weighted 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).

AUSTRALIAN STANDARD
GEOGRAPHICAL CLASSIFICATION
(ASGC)

- **22** Area statistics are now being classified to the *Australian Standard Geographical Classification*, *1999 Edition* (Cat. no. 1216.0), effective from 1 July 1999, and ASGC terminology has been adopted in the presentation of building statistics.
- **23** Some Statistical Districts straddle State/Territory boundaries (e.g. the Gold Coast–Tweed Statistical District lies partly in Queensland and partly in New South Wales.)

UNPUBLISHED DATA

**24** 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

- **25** 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, Western Australia (Cat. no. 8752.5)
- Building Activity, Building Work Done, Australia (Cat. no. 8755.0)
- Building Approvals, Australia (Cat. no. 8731.0)
- 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)
- Price Index of Materials Used in House Building (Cat. no. 6408.0)
- Price Index of Materials Used in Building Other than House Building (Cat. no. 6407.0).

ROUNDING

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

SYMBOLS AND OTHER USAGES

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

C City

S Shire

SD Statistical Division SSD Statistical Subdivison

T Town

#### GLOSSARY

Alterations and additions

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.

Alterations and additions to residential buildings

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.

Building

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.

Conversion

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 12.

Dwelling unit

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.

Educational

Includes schools, colleges, kindergartens, libraries, museums and universities.

Entertainment and recreational

Includes clubs, cinemas, sport and recreation centres.

Factories

Includes paper mills, oil refinery buildings, brickworks and powerhouses.

Flats, units or apartments

Dwellings not having their own private grounds and usually sharing a common entrance, fover or stairwell.

Health

Includes hospitals, nursing homes, surgeries, clinics and medical centres.

Hotels, motels and other short term accommodation

Includes hostels, boarding houses, guest houses, and holiday apartment buildings.

House

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

Includes justice and defence buildings, welfare and charitable homes, prisons and Miscellaneous

reformatories, maintenance camps, farming and livestock buildings, veterinary

clinics, child-minding centres, police stations and public toilets.

New building work Building activity which will result in the creation of a building which previously

did not exist.

buildings

New other residential Building activity which will result in the creation of a residential building other

than a house, which previously did not exist.

New residential Building activity which will result in the creation of any residential building

(house or other residential) which previously did not exist.

Non-residential building 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.

Offices Includes banks, post offices and council chambers.

Other business premises Includes warehouses, service stations, transport depots and terminals, electricity

substation buildings, telephone exchanges, broadcasting and film studios.

Other dwellings 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.

Other residential building 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.

Religious Includes convents, churches, temples, mosques, monasteries and noviciates.

Residential building A residential building is a building consisting of one or more dwelling units.

Residential buildings can be either houses or other residential buildings.

Semi-detached, row or terrace Dwellings having their own private grounds with no other dwellings above or

houses, townhouses below.

> Includes retail shops, restaurants, taverns and shopping arcades. Shops

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