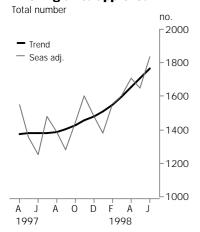


BUILDING APPROVALS

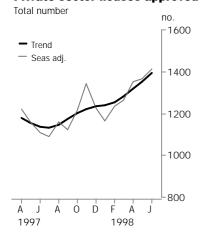
WESTERN AUSTRALIA

EMBARGO: 11:30AM (CANBERRA TIME) THURS 6 AUG 1998

Dwelling units approved



Private sector houses approved



 For further information about these and related statistics, contact Merv Leaker on 08 8237 7585, or any ABS Office

JUNE KEY FIG	URES		
TREND ESTIMATES	Jun 1998	% change May 1998 to Jun 1998	% change Jun 1997 to Jun 1998
Dwelling units approved			
Private sector houses	1 394	2.9	22.8
Total dwelling units	1 767	3.4	28.2
SEASONALLY ADJUSTE	D Jun 1998	% change May 1998 to Jun 1998	% change Jun 1997 to Jun 1998
Dwelling units approved			
Private sector houses	1 415	3.7	27.7
Total dwelling units	1 836	11.3	46.7

JUNE KEY POINTS

TREND ESTIMATES

- The trend for total dwelling units increased by 3.4% in June and is 28.2% higher than June 1997.
- The trend in private sector houses continued its upward movement with an increase of 2.9% in June.

SEASONALLY ADJUSTED ESTIMATES

- The seasonally adjusted estimate for total dwelling units increased by 11.3% in June (the average monthly movement is 9%). It is at the highest level since January 1995.
- The seasonally adjusted estimate for private sector houses increased by 3.7% in June. There have been five consecutive increases in this seasonally adjusted estimate since January 1998.

ORIGINAL ESTIMATES

- The total number of dwelling units approved in June was 2,054. Houses accounted for 1,832 of this total and other dwellings 222. Canning (140) and Cockburn (130) recorded the most dwelling approvals in the Perth SD, while Bunbury (73) and Mandurah (62) were the highest outside the Perth SD.
- The value of non-residential building approved was \$71.1 million. Shops accounted for \$24.4 million, followed by Health (\$8.5 million) and Offices (\$7.5 million).
- There were two jobs valued at \$5 million and over.

NOTES

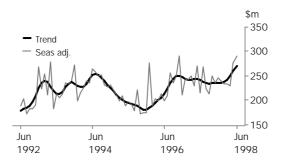
FORTHCOMING ISSUES ISSUE RELEASE DATE July 1998 8 September 1998 August 1998 7 October 1998 September 1998 9 November 1998 CHANGES IN THIS ISSUE There are no changes in this issue. DATA NOTES As advised in the last issue, Census Collectors District level information for dwelling approval data up to December 1997 is now available. This has also involved some changes to the Statistical Local Area coding for approximately 60 dwellings throughout Western Australia. For further information please contact Tamra Nitschke on 08 8237 7655. REVISIONS THIS MONTH There are no revisions this month.

Colin Nagle

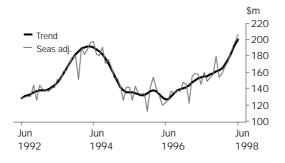
Regional Director, Western Australia

VALUE OF TOTAL BUILDING

The trend continued its upward movement in June to be 3.8% higher than May and 15.4% higher than September 1997.

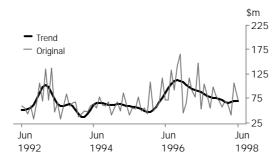


VALUE OF RESIDENTIAL BUILDING The trend has grown consistently since mid 1996 with the rate of growth accelerating since December 1997. It has increased by 23.2% since that time.



VALUE OF NON-RESIDENTIAL BUILDING

The trend has been increasing since March 1998 following a continuous fall from late 1996. The June trend is 6% above the March level.



SUMMARY OF 1997-98 BUILDINGS APPROVED

DWELLING UNITS APPROVED

The number of dwelling units approved in 1997–98 and the percentage movements between 1996–1997 and 1997–98 for Western Australia are summarised below.

DWELLING UNITS APPROVED

	New residential building	Alerations and additions to residential buildings	Conversions	Non residential building	Total dwelling units
No. of dwelling units 1997-98	18 354	45	21	40	18 460
1996-97 to 1997-98 % change	17.3	-27.4	600.0	25.0	17.3

VALUE OF BUILDING APPROVED

Percentage movements for the value of building approved between 1996-97 and 1997-98 for Western Australia are summarised below

VALUE OF BUILDING APPROVED

	New residential building	Alterations and additions to residential buildings creating dwellings	Alterations and additions to residential building not creating dwellings	is Conversions	Non residential building	Total building
Value (\$M) 1997-98	1 856.2	2.4	184.3	0.9	899.8	2 943.8
1996-97 to 1997-98 % change	21.7	-51.0	9.9	800.0	-25.3	1.5

(a) See Glossary for definition.

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 9% 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 9% 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.

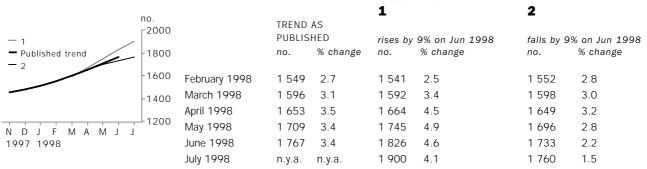
PRIVATE SECTOR HOUSES

WHAT IF NEXT QUARTER'S SEASONALLY ADJUSTED ESTIMATE:

					1103001	ED ESTIMATE.		
- 1	no. [160		TREND AS PUBLISHED		1 rises by 6% on Jun 1998		2 falls by 6% on Jun 1998	
 Published trend 	150		no.	% change	no.	% change	no.	% change
- 2	140							
	-130	February 1998	1 256	1.2	1 252	1.1	1 258	1.3
	-120	March 1998	1 282	2.1	1 280	2.3	1 283	2.0
		April 1998	1 318	2.8	1 323	3.4	1 316	2.5
N D J F M A M J J	⊢ 110	May 1998	1 354	2.8	1 373	3.7	1 347	2.4
1997 1998		June 1998	1 394	2.9	1 421	3.5	1 373	1.9
		July 1998	n.y.a.	n.y.a.	1 463	3.0	1 390	1.3
		July 1998	n.y.a.	n.y.a.	1 463	3.0	1 390	1.3

TOTAL DWELLING UNITS

WHAT IF NEXT QUARTER'S SEASONALLY ADJUSTED ESTIMATE:



DWELLING UNITS APPROVED

	HOUSES		OTHER DWE	LLINGS(a)	TOTAL DWEL	TOTAL DWELLING UNITS	
	Private sector	Total	Private sector	Total	Private sector	Total	
Month	no.	no.	no.	no.	no.	no.	
• • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	ODICINAL	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • •	• • • • • • • • •	
1997			ORIGINAL				
April	1 398	1 457	131	169	1 529	1 626	
May	1 329	1 378	161	198	1 490	1 576	
June	1 106	1 151	87	103	1 193	1 254	
July	1 150	1 284	206	247	1 356	1 531	
August	1 178	1 228	133	145	1 311	1 373	
September	1 186	1 216	98	112	1 284	1 328	
October	1 304	1 323	147	185	1 451	1 508	
November	1 309	1 356	164	185	1 473	1 541	
December	1 167	1 214	107	198	1 274	1 412	
1998							
January	953	976	163	179	1 116	1 155	
February	1 123	1 162	238	279	1 361	1 441	
March	1 330	1 363	252	384	1 582	1 747	
April	1 296	1 377	143	199	1 439	1 576	
May	1 481	1 505	261	289	1 742	1 794	
June	1 491	1 832	212	222	1 703	2 054	
• • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •	
1997		S	EASONALLY ADJUSTE	ED			
April	1 223	1 269	n 0	n 0	1 472	1 552	
'			n.a.	n.a.			
May	1 159	1 196	n.a.	n.a.	1 300	1 358	
June	1 108	1 132	n.a.	n.a.	1 219	1 252	
July	1 088	1 272	n.a.	n.a.	1 289	1 479	
August	1 159	1 217	n.a.	n.a.	1 282	1 384	
September	1 121	1 153	n.a.	n.a.	1 213	1 279	
October	1 218	1 254	n.a.	n.a.	1 365	1 444	
November	1 345	1 404	n.a.	n.a.	1 497	1 600	
December	1 225	1 281	n.a.	n.a.	1 340	1 477	
1998	. 220	. 20.	mai				
January	1 166	1 204	n.a.	n.a.	1 315	1 382	
February		1 288			1 466		
	1 237		n.a.	n.a.		1 556	
March	1 263	1 290	n.a.	n.a.	1 484	1 605	
April	1 354	1 418	n.a.	n.a.	1 587	1 705	
May	1 364	1 382	n.a.	n.a.	1 612	1 649	
June	1 415	1 604	n.a.	n.a.	1 668	1 836	
• • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • •	TREND ESTIMATES	• • • • • • • • • • • • • •	• • • • • • • • • • • • • • •	• • • • • • • • •	
1997							
April	1 177	1 221	122	151	1 299	1 372	
May	1 156	1 198	141	181	1 296	1 379	
June	1 135	1 177	153	202	1 288	1 378	
July	1 131	1 172	152	207	1 283	1 379	
August	1 146	1 188	140	197	1 286	1 385	
September	1 174	1 218	128	183	1 301	1 401	
October	1 203	1 249	126	178	1 329	1 427	
November	1 223	1 271				1 454	
			134	184	1 357		
December	1 233	1 278	148	200	1 382	1 478	
1998	1 241	1 202	170	224	1 411	1 500	
January	1 241	1 282	170	226	1 411	1 508	
February	1 256	1 298	194	251	1 449	1 549	
March	1 282	1 331	215	266	1 497	1 596	
April	1 318	1 379	233	274	1 551	1 653	
May	1 354	1 432	248	277	1 602	1 709	
June	1 394	1 492	261	275	1 655	1 767	

⁽a) See Glossary for definition.



DWELLING UNITS APPROVED, Percentage Change

	HOUSES		OTHER DWE	LLINGS(a)	TOTAL DWELLING UNITS		
Month	Private sector	Total	Private sector	Total	Private sector	Total	
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •				• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	
1997		ORIGINAL (%	change from preced	ing month)			
April	45.9	40.2	-7.1	-4.5	39.1	33.7	
May	-4.9	-5.4	22.9	17.2	-2.6	-3.1	
June	-16.8	-16.5	-46.0	-48.0	-19.9	-20.4	
July	4.0	11.6	136.8	139.8	13.7	22.1	
August	2.4	-4.4	-35.4	-41.3	-3.3	-10.3	
September	0.7	-1.0	-26.3	-22.8	-2.1	-3.3	
October	9.9	8.8	50.0	65.2	13.0	13.6	
November	0.4	2.5	11.6	0.0	1.5	2.2	
December	-10.8	-10.5	-34.8	7.0	-13.5	-8.4	
1998	-10.0	-10.5	-34.0	7.0	-13.5	-0.4	
	10.2	-19.6	52.3	-9.6	12.4	-18.2	
January	-18.3				-12.4		
February	17.8	19.1	46.0	55.9	22.0	24.8	
March	18.4	17.3	5.9	37.6	16.2	21.2	
April	-2.6	1.0	-43.3	-48.2	-9.0	-9.8	
May	14.3	9.3	82.5	45.2	21.1	13.8	
June	0.7	21.7	-18.8	-23.2	-2.2	14.5	
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •				• • • • • • • • • • • • • •	• • • • • • • • • •	
1007		SEASUNALLY ADJUS	STED (% change from	preceaing month)			
1997	4.0	0.4			4.4.4	404	
April	1.8	0.1	n.a.	n.a.	14.6	12.1	
May	-5.2	-5.8	n.a.	n.a.	-11.7	-12.5	
June	-4.4	-5.3	n.a.	n.a.	-6.2	-7.8	
July	-1.8	12.3	n.a.	n.a.	5.8	18.2	
August	6.5	-4.3	n.a.	n.a.	-0.6	-6.4	
September	-3.3	-5.3	n.a.	n.a.	-5.4	-7.6	
October	8.6	8.8	n.a.	n.a.	12.5	12.9	
November	10.4	11.9	n.a.	n.a.	9.7	10.8	
December	-8.9	-8.8	n.a.	n.a.	-10.5	-7.7	
1998							
January	-4.8	-6.0	n.a.	n.a.	-1.9	-6.4	
February	6.1	7.0	n.a.	n.a.	11.5	12.5	
March	2.1	0.1	n.a.	n.a.	1.2	3.1	
April	7.2	9.9	n.a.	n.a.	7.0	6.3	
May	0.8	-2.5	n.a.	n.a.	1.6	-3.3	
June	3.7	16.0	n.a.	n.a.	3.4	11.3	
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •			• • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •	
4007		TREND ESTIMATE	S (% change from pr	eceding month)			
1997	0.7	0.7	15.0	21.2	0.7	1.2	
April	-0.7	-0.7	15.8	21.3	0.7	1.3	
May	-1.8	-1.8	15.4	20.0	-0.2	0.6	
June	-1.7	-1.8	8.3	11.3	-0.7	-0.1	
July	-0.4	-0.4	-0.3	2.5	-0.4	0.0	
August	1.3	1.4	-7.9	-4.7	0.2	0.5	
September	2.4	2.5	-8.9	-7.2	1.2	1.1	
October	2.5	2.5	-1.1	-2.8	2.1	1.8	
November	1.7	1.7	6.3	3.1	2.1	1.9	
December	0.8	0.6	10.7	8.9	1.8	1.6	
1998	0.7	0.4	4.1.	40.0	2.1	2.4	
January	0.6	0.4	14.6	13.0	2.1	2.1	
February	1.2	1.2	13.9	11.0	2.7	2.7	
March	2.1	2.5	10.8	6.0	3.3	3.1	
April	2.8	3.6	8.6	3.2	3.6	3.5	
May	2.8	3.9	6.4	0.9	3.3	3.4	
June	2.9	4.2	5.0	-0.6	3.3	3.4	

⁽a) See Glossary for definition.

	New	Alterations and additions to	Total	Non-	
	residential building	residential buildings(a)	residential building	residential building	Total building
Month	\$m	\$m	\$m	\$m	\$m
• • • • • • • • • • • •	• • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •
1997			ORIGINAL		
April	159.2	16.8	176.0	78.8	254.8
May	157.3	15.2	172.4	146.4	318.9
June	130.2	14.1	144.3	54.1	198.
July	147.2	16.0	163.2	105.3	268.
August	135.0	15.7	150.7	81.4	232.
September	139.3	15.8	155.1	56.5	211.
October	150.6	18.3	169.0	98.3	267.
November	154.6	16.2	170.8	79.4	250.
December	135.2	16.2	151.3	70.3	221.
1998					
January	122.3	13.8	136.1	57.6	193.
February	138.8	16.5	155.3	69.1	224.
March	172.8	16.2	189.0	62.4	251.4
April	163.3	12.4	175.7	42.3	218.
May	195.5	16.7	212.2	106.1	318.
June	201.7	13.8	215.5	71.1	286.
		SEASO	NALLY ADJUSTED		
1997					
April	144.4	14.6	159.0	n.a.	229.
May	141.8	16.2	158.0	n.a.	269.
June	128.6	16.3	144.9	n.a.	215.
July	144.9	15.6	160.5	n.a.	267.
August	132.7	16.1	148.8	n.a.	222.
September	139.0	15.0	154.0	n.a.	213.
October	141.5	16.0	157.5	n.a.	250.
November	164.6	15.5	180.1	n.a.	234.
December	138.2	16.1	154.3	n.a.	245.
1998 January	142.5	16.0	158.4	n.a.	239.
February	151.2	16.5	167.7	n.a.	234.
March	159.3	14.2	173.5	n.a.	234.
April	171.8	14.0	185.8	n.a.	229.
May	176.2	17.6	193.8	n.a.	275.
June	190.8	15.4	206.1	n.a.	275. 291.
• • • • • • • • • •	• • • • • • • • • • • •		• • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • •	
		TRE	ND ESTIMATES		
1997 April	135.2	15.6	150.8	92.8	243.0
May	135.2	15.8	150.8	92.8 91.2	243. 243.
June			152.6		
	137.8	15.9 15.0		88.1	241.
July	138.7	15.9	154.6	83.4	238.
August September	139.7	15.8	155.5	80.0	235.
	141.2	15.7	156.9	77.7	234.
October	143.3	15.8	159.0	76.4	235.
November	145.0	15.8	160.8	75.5	236.
December	146.5	15.8	162.3	74.0	236.
1998 January	149.2	15.7	164.9	71.4	236.
February	149.2 153.9	15.7	169.4	71.4 68.7	236. 238.
,					
March	160.5	15.5	176.0	66.7	242.
April	168.4	15.5	183.9	66.9	250.
May	176.1	15.5	191.7	69.2	260.9
June	184.4	15.6	200.0	70.7	270.

⁽a) Refer to Explanatory Notes paragraph 12.

VALUE OF BUILDING APPROVED, Percentage Change

		Alterations			
	New	and additions	Total	Non-	
	residential	to residential	residential	residential	Total
Month	building	buildings(a)	building	building	building
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • •		from preceding month		• • • • • • • • •
1997		ORIGINAL (% change	nom preceding month)	
April	26.5	11.9	25.0	-12.8	10.2
May	-1.2	-9.5	-2.0	85.8	25.1
June	-1.2 -17.2	-7.1	-2.0 -16.3	-63.1	-37.8
July	13.1	13.8	13.1	94.7	35.4
August	-8.3	-2.2	-7.7	-22.7	-13.6
September	3.2	1.1	3.0	-30.5	-8.8
October	8.1	15.7	8.9	73.8	26.2
November	2.6	-11.5	1.1	-19.2	-6.4
December	-12.6	-0.3	-11.4	-11.5	-11.4
1998					
January	-9.5	-14.9	-10.1	-18.0	-12.6
February	13.5	19.6	14.1	19.9	15.8
March	24.5	-1.7	21.7	-9.7	12.0
April	-5.5	-23.1	-7.0	-32.3	-13.3
May	19.8	34.1	20.8	150.9	46.0
June	3.2	-17.3	1.6	-32.9	-9.9
	• • • • • • • • • • • • • •				
	SEASO	ONALLY ADJUSTED (% o	change from preceding	month)	
1997					
April	5.1	-15.2	2.8	n.a.	-8.7
May	-1.8	11.3	-0.6	n.a.	17.8
June	-9.3	0.5	-8.3	n.a.	-20.2
July	12.7	-4.4	10.7	n.a.	24.4
August	-8.4	3.7	-7.2	n.a.	-16.8
September	4.7	-6.8	3.5	n.a.	-4.1
October	1.8	6.5	2.3	n.a.	17.1
November	16.4	-3.5	14.3	n.a.	-6.1
December	-16.0	3.9	-14.3	n.a.	4.4
1998	-10.0	3.9	-14.3	II.a.	4.4
	2.1	0.5	2.7		2.5
January	3.1	-0.5	2.7	n.a.	-2.5
February	6.1	3.4	5.9	n.a.	-2.1
March	5.4	-14.0	3.5	n.a.	0.1
April	7.9	-1.6	7.1	n.a.	-2.1
May	2.5	26.1	4.3	n.a.	20.1
June	8.3	-12.8	6.3	n.a.	5.8
• • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • •
1997	TRE	END ESTIMATES (% cha	nge from preceding m	onth)	
	2.1	1 5	2.0	2.2	0.4
April	2.1	1.5	2.0	-2.2	0.4
May	1.2	1.1	1.2	-1.7	0.1
June	0.7	0.7	0.7	-3.4	-0.8
July	0.6	0.1	0.6	-5.4	-1.6
August	0.7	-0.6	0.6	-4.0	-1.0
September	1.1	-0.4	0.9	-2.9	-0.4
October	1.4	0.5	1.3	-1.6	0.4
November	1.2	0.0	1.1	-1.2	0.4
December	1.1	-0.2	0.9	-2.0	0.0
1998				-	- *
January	1.8	-0.6	1.6	-3.5	0.0
February	3.1	-0.7	2.8	-3.7	0.8
March	4.3	-0.7 -0.5	3.8	-3.7 -2.9	1.9
April	4.9	-0.5 -0.1			
			4.5	0.3	3.3
May June	4.6	0.4 0.4	4.2	3.5 2.2	4.0
	4.7	U.4	4.4	2.2	3.8

⁽a) Refer to Explanatory Notes paragraph 12.

Period	New houses	New other residential building	Alterations and additions to residential buildings	Conversion(a)	Non- residential building(a)	Total dwelling units
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • •		PRIVATE SECTOR (Num	ber)	• • • • • • • • • • • • •	• • • • • • • •
1995-96	11 946	2 900	(b) 65	(b) O	50	14 961
1996-97	13 067	1 682	56	3	32	14 840
1997-98	14 960	2 026	45	21	40	17 092
1997						
June	1 106	87	0	0	0	1 193
July	1 149	182	3	1	21	1 356
August	1 175	120	9	1	6	1 311
September	1 186	81	4	13	0	1 284
October	1 304	145	2	0	0	1 451
November	1 308	163	1	1	0	1 473
December	1 167	80	18	0	9	1 274
1998						
January	953	162	0	0	1	1 116
February	1 123	237	1	0	0	1 361
March	1 330	248	3	0	1	1 582
April	1 295	140	1	1	2	1 439
May	1 480	260	1	1	0	1 742
June	1 490	208	2	3	0	1 703
• • • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • • • • •	PUBLIC SECTOR (Num	ber)	• • • • • • • • • • • • •	• • • • • • • • •
1995-96	266	627	(b) O	(b) O	0	893
1996-97	565	331	6	0	0	902
1997-98	868	500	0	0	0	1 368
1997						
June	45	16	0	0	0	61
July	134	41	0	0	0	175
August	50	12	0	0	0	62
September	30	14	0	0	0	44
October	19	38	0	0	0	57
November	47	21	0	0	0	68
December	47	91	0	0	0	138
1998						
January	23	16	0	0	0	39
February	39	41	0	0	0	80
March	33	132	0	0	0	165
April	81	56	0	0	0	137
May	24	28	0	0	0	52
June	341	10	0	0	0	351
• • • • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • • • • •	TOTAL (Number)	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • •	• • • • • • • •
1995-96	12 212	3 527	(b) 65	(b) O	50	15 854
1996-97	13 632	2 013	62	3	32	15 742
1997-98	15 828	2 526	45	21	40	18 460
1997	4 454	100	2	2	^	4.5=-
June	1 151	103	0	0	0	1 254
July	1 283	223	3	1	21	1 531
August	1 225	132	9	1	6	1 373
September	1 216	95	4	13	0	1 328
October	1 323	183	2	0	0	1 508
November	1 355	184	1	1	0	1 541
December	1 214	171	18	0	9	1 412
1998	0=:	470	-	2		
January	976	178	0	0	1	1 155
February	1 162	278	1	0	0	1 441
March	1 363	380	3	0	1	1 747
April	1 376	196	1	1	2	1 576
May	1 504	288	1	1	0	1 794
June	1 831	218	2	3	0	2 054
	(a) See Glossary f	for definition.	(b) Conver	sions are included in alteration	ons and additions to residual	dential buildings

......

oriod	New	New other residential	Alterations and additions	Alterations and additions not creating	Conversion (-)	Total residential	Non- residential	Tota
eriod	houses	building	creating dwellings	dwellings	Conversion(a)	building	building	build
			PRIVATE SI	ECTOR (\$ millio	n)			••••
995-96	1 123.8	225.5	(b) 3.4	158.9	(b) 0.0	1 511.8	692.1	2 20
996-97	1 294.1	154.0	4.8	163.9	0.1	1 616.6	773.9	2 39
997-98	1 561.5	189.6	2.4	182.5	0.9	1 936.9	706.7	2 64
997								
June	116.8	8.4	0.0	13.4	0.0	138.6	46.3	18
July	118.2	14.7	0.2	15.7	0.1	149.0	71.2	22
August	119.6	9.0	0.6	15.1	0.0	144.3	51.8	19
September	126.1	8.3	0.1	15.3	0.3	150.1	54.3	20
October								
	134.4	12.2	0.2	18.0	0.0	164.9	64.6	22
November	138.4	11.2	0.1	16.1	0.0	165.8	70.5	23
December	119.2	6.9	0.6	15.5	0.0	142.2	57.3	19
98								
January	103.7	16.2	0.0	13.8	0.0	133.6	46.3	1
February	116.8	15.8	0.1	16.3	0.0	148.9	59.8	2
March	140.4	22.0	0.1	15.9	0.0	178.5	60.2	2
April	137.1	15.1	0.1	12.1	0.0	164.3	33.7	1
May	149.6	41.0	0.0	15.7	0.0	206.4	74.6	2
June	158.0	17.2	0.3	13.0	0.5	188.9	62.4	2
• • • • • • • •	• • • • • • • • •	•••••		• • • • • • • • • •		• • • • • • • • • • •	• • • • • • • • •	• • • •
			PUBLIC SE	CTOR (\$ million	1)			
95-96	24.6	46.7	(b) 0.0	0.5	(b) 0.0	72.0	111.0	1
96-97	54.9	21.7	0.0	4.0	0.0	80.5	430.0	5
97-98	72.9	32.5	0.0	1.7	0.0	107.4	193.3	3
97								
June	3.8	1.2	0.0	0.7	0.0	5.7	7.7	
July	11.6	2.7	0.0	0.0	0.0	14.3	34.0	
August	5.4	0.9	0.0		0.0			
				0.0		6.4	29.6	
September	2.9	2.1	0.0	0.1	0.0	5.1	2.3	
October	2.1	2.0	0.0	0.0	0.0	4.1	33.7	
November	3.8	1.2	0.0	0.0	0.0	5.0	8.9	
December	4.3	4.8	0.0	0.1	0.0	9.2	13.0	
98								
January	1.5	1.0	0.0	0.0	0.0	2.5	11.3	
February	3.4	2.8	0.0	0.1	0.0	6.4	9.3	
March	3.3	7.1	0.0	0.1	0.0	10.5	2.3	
April	7.0	4.1	0.0	0.3	0.0	11.4	8.6	
May	2.3	2.6	0.0	0.9	0.0	5.8	31.5	
June	25.3	1.2	0.0	0.1	0.0	26.7	8.8	
• • • • • • • •	• • • • • • • • •	• • • • • • • • • • •		(A 1111)	• • • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • •	• • • •
			TOTAL	_ (\$ million)				
95-96	1 148.3	272.4	(b) 3.4	159.3	(b) 0.0	1 583.6	803.1	2 3
96-97	1 348.9	175.8	4.9	167.7	0.1	1 697.3	1 204.5	2 9
97-98	1 634.2	222.0	2.4	184.3	0.9	2 043.9	899.8	2 9
97								
June	120.6	9.6	0.0	14.1	0.0	144.3	54.1	1
July	129.8	17.4	0.2	15.7	0.1	163.2	105.3	2
August	125.1	10.0	0.6	15.1	0.0	150.7	81.4	2
September	129.0	10.3	0.1	15.4	0.3	155.1	56.5	2
October	136.4	14.2	0.2	18.1	0.0	169.0	98.3	2
November	142.2	12.4	0.1	16.1	0.0	170.8	79.4	2
December	123.4	11.7	0.6	15.6	0.0	151.3	70.3	2
98	2	* * * *	-:-				. 2.0	
January	105.1	17.2	0.0	13.8	0.0	136.1	57.6	1
February	120.2	18.6	0.1	16.4	0.0	155.3	69.1	2
March	143.7	29.1	0.1	16.1	0.0	189.0	62.4	2
April	144.1	19.1	0.1	12.3	0.0	175.7	42.3	2
May	151.9	43.6	0.0	16.6	0.0	212.2	106.1	3
June	183.3	18.4	0.3	13.1	0.5	215.5	71.1	2
	(a) See Glossar	y for definition.		(b) Conversions a	re included in alteratio	ns and additons cre	eating dwellings	



NEW OTHER RESIDENTIAL BUILDING.....

	New houses		hed, row or ter		Flats units	or apartments	s in a building o	f	Total	Total new residential building
Period		One storey	Two or more storeys	Total	One or two storeys	Three storeys	Four or more storeys	Total		
• • • • • • • •	• • • • • • • •	• • • • • • • •		• • • • • • • •		• • • • • • •				• • • • • • • •
				NUMBE	R OF DWELI	LINGS				
1995-96	12 212	2 932	354	3 286	6	83	152	241	3 527	15 739
1996-97	13 632	1 179	376	1 555	75	194	189	458	2 013	15 645
1997-98	15 828	1 672	324	1 996	166	95	269	530	2 526	18 354
1997										
April	1 456	80	20	100	50	13	0	63	163	1 619
May	1 376	165	5	170	0	25	0	25	195	1 571
June	1 151	74	7	81	19	3	0	22	103	1 254
July	1 283	192	4	196	19	8	0	27	223	1 506
August	1 225	106	26	132	0	0	0	0	132	1 357
September		81	8	89	0	0	6	6	95	1 311
October	1 323	161	14	175	0	0	8	8	183	1 506
November	1 355	162	13	175	3	0	6	9	184	1 539
December	1 214	135	13	148	4	19	0	23	171	1 385
1998										
January	976	83	30	113	20	6	39	65	178	1 154
February	1 162	178	59	237	0	19	22	41	278	1 440
March	1 363	235	17	252	56	22	50	128	380	1 743
April	1 376	135	44	179	6	5	6	17	196	1 572
May	1 504	96	33	129	25	16	118	159	288	1 792
June	1 831	108	63	171	33	0	14	47	218	2 049
• • • • • • • •	• • • • • • • • •	• • • • • • • •	• • • • • • •		.UE (\$ millio	on)	• • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • • •
1995-96	1 148.3	207.1	33.8	240.9	0.3	10.7	20.4	31.4	272.3	1 420.7
1996-97	1 349.0	86.5	31.9	118.4	7.5	17.9	31.9	57.3	175.7	1 524.6
1997-98	1 634.3	117.3	31.4	148.7	13.5	10.7	49.2	73.4	222.1	1 856.4
1997										
April	143.8	5.4	2.0	7.4	5.2	2.8	0.0	8.0	15.4	159.2
May	140.5	13.5	0.4	14.0	0.0	2.8	0.0	2.8	16.8	157.3
June	120.6	6.9	0.9	7.8	1.6	0.2	0.0	1.8	9.6	130.2
July	129.8	14.6	0.5	15.1	1.5	0.8	0.0	2.3	17.4	147.2
August	125.1	7.6	2.4	10.0	0.0	0.0	0.0	0.0	10.0	135.0
September		7.5	0.9	8.3	0.0	0.0	2.0	2.0	10.3	139.3
October	136.4	10.5	1.6	12.1	0.0	0.0	2.1	2.1	14.2	150.6
November	142.2	9.8	1.7	11.5	0.3	0.0	0.7	1.0	12.4	154.6
December 1998	123.4	8.5	1.4	9.9	0.4	1.4	0.0	1.8	11.7	135.2
January	105.1	6.9	3.3	10.2	1.8	0.4	4.8	7.0	17.2	122.3
February	120.2	10.6	3.3 4.8	15.4	0.0	0.4	4.8 2.7	3.2	17.2	138.8
March	143.7	14.9	1.7	16.5	5.0	2.8	4.8	12.6	29.1	172.8
April	143.7	10.7	4.7	15.4	0.4	0.8	2.6	3.8	19.1	163.3
May	151.9	6.9	3.8	10.7	2.1	4.1	26.7	32.9	43.6	195.5
June	183.3	8.8	4.8	13.6	2.1	0.0	2.8	4.8	18.4	201.7
340	.00.0	0.0	1.0	10.0	2.0	0.0	2.0	1.0	10.1	202.1

(a) See Glossary for definition

Period	New houses	New other residential building	New residential building	Alterations and additions to residential buildings(a)	Total residential building	Non- residential building	Total building
• • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • •	ORIGIN	AL (\$ million)	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	•••••
				,			
1994-95	1 391.6	407.6	1 799.2	160.4	1 959.6	701.2	2 660.8
1995-96	1 155.8	259.2	1 414.9	163.9	1 578.9	759.0	2 337.9
1996-97	1 359.1	164.5	1 523.6	174.0	1 697.6	1 119.6	2 817.1
1996							
December	327.9	46.2	374.1	42.7	416.8	328.4	745.2
1997							
March	294.4	50.3	344.7	42.4	387.1	254.7	641.8
June	408.6	38.8	447.4	46.4	493.8	257.5	751.3
September	387.4	34.9	422.2	48.0	470.2	222.9	693.1
December	405.3	35.3	440.6	51.1	491.7	225.9	717.6
1998							
March	372.1	59.4	431.5	46.7	478.2	171.3	649.5
• • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • •	• • • • • • • • • • • • •	• • • • • • • •
		ORI	GINAL (% chang	e from preceding qua	rter)		
1996							
December	-0.1	58.4	4.7	0.6	4.2	17.6	9.8
1997							
March	-10.2	8.8	-7.9	-0.7	-7.1	-22.4	-13.9
June	38.8	-22.8	29.8	9.4	27.6	1.1	17.1
September	-5.2	-10.2	-5.6	3.4	-4.8	-13.4	-7.7
December	4.6	1.3	4.4	6.6	4.6	1.3	3.5
1998							
March	-8.2	68.3	-2.1	-8.6	-2.7	-24.2	-9.5

⁽a) Refer to Explanatory Notes paragraph 12

NON—RESIDENTIAL BUILDING APPROVED, Jobs By Value Range: Original

	Hotels, n other sho accomm		Shops		Factories	ò	Offices		Other bu	siness	Educatio	onal
Period	no.	\$m	no.	\$m	no.	\$m	no.	\$m	no.	\$m	no.	\$m
• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	· · · · · · · · · · · · · · · · · · ·	alua ¢EC),000-\$19	0.000	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • •
1998				V	aiue—\$50	7,000-\$19	9,999					
April	8	0.7	22	2.1	12	1.4	15	1.3	20	2.1	3	0.3
May	3	0.2	23	1.9	12	1.2	17	1.4	31	3.0	1	0.1
June	4	0.4	21	1.9	13	1.4	20	2.2	16	2.0	2	0.2
• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	Va	Jue—\$20	0,000-\$49	9999	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • •
1998				V	Π u C - \$20	0,000-\$47	, , , , , ,					
April	13	3.4	5	1.5	9	2.4	3	0.7	7	2.2	1	0.3
May	0	0.0	17	5.2	6	1.5	7	2.4	13	3.6	1	0.3
June	0	0.0	6	1.7	10	3.2	3	0.9	8	2.1	4	1.3
• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • •
1998				Va	lue—\$50	0,000-\$99	99,999					
April	0	0.0	1	0.8	3	2.1	1	0.5	4	2.3	1	0.5
May	0	0.0	4	2.7	3	1.8	1	1.0	3	2.0	1	0.5
June	3	1.9	5	3.0	4	2.5	0	0.0	3	2.1	0	0.0
• • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • •	Valu	a_\$1 00	0,000-\$4,	999 999	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • •
1998				vaiu	C—Ψ1,00	0,000-\$4,	,,,,,,,					
April	0	0.0	1	3.1	0	0.0	1	1.6	2	3.0	0	0.0
May	1	3.9	1	1.3	0	0.0	2	3.4	2	3.1	1	3.9
June	0	0.0	5	11.5	0	0.0	3	4.4	0	0.0	1	3.9
• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	Va	lue—\$5.0	000,000 ar	nd over	• • • • • • •	• • • • • • •	• • • • • • •	• • • • • •	• • • • •
1998						,						
April	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	5.6
May	0	0.0	2	26.3	0	0.0	0	0.0	1	5.1	2	12.9
June	0	0.0	1	6.3	0	0.0	0	0.0	0	0.0	0	0.0
• • • • • • • •	• • • • • • • •	• • • • • • •	• • • • • •	• • • • • • •	Valu	ue—Total	• • • • • •	• • • • • • •	• • • • • •	• • • • • • •	• • • • • •	• • • • •
	440	440.0		440.0	0.05	00.4	077	407.5	0.40	440.0	400	00.4
1995-96	118	113.3	304	119.0	285 319	80.4	277 314	106.5	340	112.0 160.4	109 120	80.4
1996-97 1997-98	91 99	75.4 53.1	408 445	164.2 186.0	287	102.6 88.4	283	156.4 123.5	402 398	150.4	120	152.0 114.7
1998												
April	21	4.1	29	7.4	24	5.8	20	4.2	33	9.6	6	6.7
May	4	4.1	47	37.3	21	4.6	27	8.2	50	16.7	6	17.7
June	7	2.3	38	24.4	27	7.0	26	7.5	27	6.3	7	5.4
• • • • • • • •	• • • • • • • •	• • • • • • •		• • • • • • •						• • • • • • •		• • • • •



	Religious	S	Health		Entertain recreation	ment and nal	Miscellane	ous	Total non-re building	
Period	no.	\$m	no.	\$m	no.	\$m	no.	\$m	no.	\$m
• • • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • •	Value—9	550,000-\$7	199,999	• • • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • • •
1998										
April	0	0.0	0	0.0	2	0.2	2	0.2	84	8.
May	0	0.0	3	0.3	3	0.3	10	0.7	103	9.
June	4	0.3	3	0.2	2	0.1	3	0.3	88	9.
• • • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • •	Value—\$	200,000-\$	499.999	• • • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • • •
1998				value v	200,000 +	,				
April	0	0.0	0	0.0	3	1.0	2	0.4	43	12.
May	0	0.0	0	0.0	3	0.7	3	0.9	50	14.
June	0	0.0	2	0.7	2	0.6	1	0.2	36	10.
• • • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • •	Value d	500,000-\$	000 000	• • • • • • • •	• • • • • • • •	• • • • • • • • •	• • • • • • •
1998				value—\$	500,000-\$	999,999				
April	0	0.0	1	0.7	1	0.8	0	0.0	12	7.
May	0	0.0	0	0.0	1	1.0	0	0.0	13	8.
June	1	0.6	0	0.0	1	0.8	0	0.0	17	10.
• • • • • • • • •		• • • • • • • •	-	• • • • • • • • •			-			
				Value—\$1,	000,000-\$	4,999,999				
1998										
April	0	0.0	1	1.0	0	0.0	0	0.0	5	8.
May	0	0.0	0	0.0	1	1.4	0	0.0	8	17.
June	0	0.0	0	0.0	2	5.7	1	1.0	12	26.
• • • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • • •	Value—\$	5,000,000	and over	• • • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • • •
1998										
April	0	0.0	0	0.0	0	0.0	0	0.0	1	5.
May	0	0.0	0	0.0	1	12.3	0	0.0	6	56.
June	0	0.0	1	7.7	0	0.0	0	0.0	2	13.
• • • • • • • • •	• • • • • • • • •	• • • • • • •	• • • • • • •	\	/alue—Tota		• • • • • • • •	• • • • • • • • •	• • • • • • • • •	• • • • • •
1995-96	23	4.4	50	32.8	79	48.0	253	106.2	1 838	803.
1996-97	20	5.4	69	214.5	98	92.2	117	81.3	1 958	1 204.
1997-98	27	8.7	56	72.5	86	65.3	92	37.6	1 901	899.
1998										
April	0	0.0	2	1.7	6	2.0	4	0.6	145	42.
May	0	0.0	3	0.3	9	15.7	13	1.5	180	106.
June	5	1.0	6	8.5	7	7.2	5	1.5	155	71.

Period	Hotels, motels & other short term accomm- ondation	Shops	Factories	Offices	Other business premises	Educational	Religious	Health	Entertain- ment and recreational	Miscell- aneous	Total non- residential building
• • • • • • • • •	• • • • • • • • • • •	• • • • • •	• • • • • • •	PRIV	ATE SECTO	OR (\$ million))	• • • • • •	• • • • • • •	• • • • • •	• • • • • • • •
1995-96	113.1	117.6	79.5	72.8	107.9	43.5	4.5	31.8	34.1	87.4	692.1
1996-97	75.5	162.8	96.2	117.2	113.7	38.8	5.3	96.1	36.6	32.5	773.9
1997-98	51.7	185.4	86.4	81.6	142.0	32.0	8.7	58.4	39.4	21.1	706.7
1997											
June	5.6	7.5	8.7	2.0	11.5	4.0	0.3	3.8	2.0	1.0	46.3
July	6.4	23.8	9.7	5.3	8.9	2.9	0.8	4.1	2.8	6.5	71.2
August	6.8	9.2	7.1	9.0	11.6	1.7	0.8	4.0	0.8	0.8	51.8
September	2.3	11.3	6.1	4.7	13.4	3.5	0.5	8.4	2.2	2.0	54.3
October	4.1	12.5	5.2	10.6	13.7	9.0	0.2	1.7	7.1	0.4	64.6
November	2.4	11.7	6.3	10.5	13.8	3.8	3.5	7.0	9.5	1.9	70.5
December	2.4	15.2	10.4	9.6	10.7	3.0	0.4	0.9	0.1	4.6	57.3
1998											
January	2.2	5.9	5.3	8.1	11.9	1.9	0.2	8.2	1.9	0.8	46.3
February	7.0	8.0	10.1	4.5	9.0	2.5	1.0	12.7	4.5	0.6	59.8
March	7.6	18.8	9.0	2.2	16.5	1.0	0.3	0.9	3.3	0.7	60.2
April	4.1	7.4	5.8	3.1	9.5	1.1	0.0	1.7	0.5	0.4	33.7
May	4.1	37.3	4.6	6.9	16.7	0.8	0.0	0.3	3.0	0.9	74.6
June	2.3	24.3	6.8	7.1	6.3	0.8	1.0	8.5	3.7	1.5	62.4
• • • • • • • •	• • • • • • • • • • •	• • • • • •	• • • • • • •	PUB	LIC SECTO	R (\$ million)	• • • • • • •	• • • • • •	• • • • • • • •	• • • • • •	• • • • • • • •
1995-96	0.0	1.6	0.8	33.7	4.1	37.0	0.0	1.2	14.0	18.8	111.0
1996-97	0.0	1.6	6.5	39.2	46.8	113.1	0.0	118.4	55.7	48.7	430.0
1997-98	1.4	0.7	2.1	41.7	8.0	82.7	0.0	14.1	25.9	16.7	193.3
1997											
June	0.0	0.1	0.0	0.1	1.2	0.0	0.0	0.0	4.2	2.2	7.7
July	0.0	0.0	1.5	25.3	0.4	6.0	0.0	0.0	0.0	1.0	34.0
August	0.6	0.1	0.0	2.3	2.3	9.7	0.0	7.9	1.9	4.8	29.6
September	0.0	0.3	0.0	0.5	0.3	1.0	0.0	0.0	0.1	0.1	2.3
October	0.1	0.0	0.0	3.6	0.3	16.2	0.0	6.2	2.5	4.7	33.7
November	0.0	0.0	0.5	0.1	0.7	7.4	0.0	0.0	0.1	0.0	8.9
December	0.0	0.0	0.0	2.2	0.5	9.5	0.0	0.0	0.4	0.3	13.0
1998											
January	0.0	0.2	0.0	4.6	0.1	5.8	0.0	0.0	0.7	0.1	11.3
February	0.7	0.0	0.0	0.4	3.2	0.0	0.0	0.0	1.1	3.9	9.3
March	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	1.3	0.9	2.3
April	0.0	0.0	0.0	1.1	0.1	5.7	0.0	0.0	1.5	0.2	8.6
May	0.0	0.0	0.0	1.2	0.0	16.8	0.0	0.0	12.8	0.7	31.5
June	0.0	0.1	0.1	0.4	0.0	4.6	0.0	0.0	3.5	0.0	8.8
• • • • • • • • •	• • • • • • • • • • •	• • • • • •	• • • • • • •	• • • • • •	TOTAL (#		• • • • • • •	• • • • • •	•••••	• • • • • •	• • • • • • • •
					TOTAL (\$	1111111011)					
1995-96	113.1	119.1	80.3	106.6	111.9	80.6	4.5	33.0	48.0	106.2	803.1
1996-97	75.5	164.3	102.8	156.4	160.3	151.9	5.5	214.5	92.3	81.3	1 204.5
1997-98	53.1	186.0	88.6	123.5	149.9	114.6	8.7	72.5	65.1	37.6	899.8
1997											
June	5.6	7.5	8.7	2.1	12.6	4.0	0.3	3.8	6.2	3.2	54.1
July	6.4	23.8	11.2	30.6	9.2	8.9	8.0	4.1	2.8	7.4	105.3
August	7.4	9.3	7.1	11.3	13.9	11.4	8.0	11.9	2.7	5.6	81.4
September	2.3	11.5	6.1	5.2	13.7	4.5	0.5	8.4	2.2	2.1	56.5
October	4.2	12.5	5.2	14.2	14.0	25.2	0.2	7.9	9.6	5.2	98.3
November	2.4	11.7	6.8	10.7	14.6	11.2	3.5	7.0	9.6	1.9	79.4
December	2.4	15.2	10.4	11.9	11.2	12.5	0.4	0.9	0.5	4.9	70.3
1998							0 -	2 -			
January	2.2	6.1	5.3	12.6	11.9	7.6	0.2	8.2	2.6	0.9	57.6
February	7.7	8.0	10.1	4.9	12.2	2.5	1.0	12.7	5.6	4.4	69.1
March	7.6	18.8	9.0	2.2	16.6	1.0	0.3	0.9	4.6	1.6	62.4
April	4.1	7.4	5.8	4.2	9.6	6.7	0.0	1.7	2.0	0.6	42.3
May	4.1	37.3	4.6	8.2	16.7	17.7	0.0	0.3	15.7	1.5	106.1
June	2.3	24.4	7.0	7.5	6.3	5.4	1.0	8.5	7.2	1.5	71.1



BUILDING APPROVED IN THE PERTH STATISTICAL DIVISION: Original

					New	Alterations			
Period	New houses	New other residential building	Total dwellings(a)	New houses	other residential building	and additions to residential building (b)	Total residential building	Non- residential building	Total building
• • • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • •	PRIVA	TE SECTOR	• • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • •	• • • • • •
1996-97	9 105	1 434	10 600	903 128	136 134	136 874	1 176 136	542 481	1 718 (
1996-97 1997-98	10 293	1 546	11 927	1 074 352	152 837	150 499	1 377 688	523 117	1 900 8
1997									
June	784	66	850	82 538	6 233	11 102	99 873	27 160	127 (
July	762	150	936	78 321	11 962	12 575	102 858	53 935	156
August	808	101	919	82 342	7 552	12 423	102 318	30 522	132 8
September	813	74	904	86 839	7 650	12 679	107 168	41 839	149 (
October	836	115	952	84 583	10 498	13 688	108 768	52 176	160 9
November	913	96	1 011	94 902	7 767	12 658	115 328	56 886	172
December	824	63	912	84 928	5 078	12 984	102 990	40 860	143
998 January	440	124	792	72 240	10 145	12.022	04 444	27 205	122
January February	668 783	124 175	792 959	72 268 81 118	12 145 11 730	12 032 13 327	96 446 106 175	37 395 36 167	133 142
March	783 961	201	1 164	102 167	18 068	13 626	133 861	41 693	175
April	901	89	1 013	97 625	10 201	10 055	117 881	20 308	175
May	928	215	1 144	97 741	37 407	13 236	148 383	61 123	209
June	1 074	143	1 221	111 520	12 779	11 216	135 514	50 214	185
• • • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •	PUBL	IC SECTOR	• • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • •	• • • • • •
996-97	261	192	459	20 061	11 100	2 662	33 823	237 420	271
997-98	493	389	882	33 838	22 635	1 383	57 856	128 996	186
997									
June	23	0	23	1 817	0	664	2 481	1 248	3
July	51	24	75	4 235	1 360	0	5 595	33 602	39
August	20	4	24	1 852	300	0	2 152	24 674	26
September	14	14	28	1 075	2 050	115	3 240	385	3
October	6	38	44	431	1 985	0	2 415	18 761	21
November	35	21	56	1 998	1 220	0	3 218	4 741	7
December	22	76	98	1 366	3 828	70	5 263	8 075	13
998	22	1.4	20	1 254	1.041	0	2 205	10 220	10
January	22	16	38	1 354	1 041	0	2 395	10 328	12
February March	30	17	47	2 297	932	89 0	3 317	5 015	8
March April	17 48	130 43	147 91	1 525 2 995	6 826 2 794	131	8 351 5 920	415 1 221	8 7
May	6	43 6	12	395	301	854	1 550	13 501	15
June	222	0	222	14 315	0	124	14 439	8 277	22
• • • • • • • • •	• • • • • • •	• • • • • • • •	• • • • • • • • • •	• • • • • • • • •	TOTAL	• • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • •	• • • • • •
200 07	0.044	4.404	11.050			400 507	1 000 050	770.000	4 000
996-97 997-98	9 366 10 786	1 626 1 935	11 059 12 809	923 189 1 108 190	147 234 175 472	139 536 151 882	1 209 959 1 435 544	779 900 652 112	1 989 2 087
97									
June	807	66	873	84 355	6 233	11 766	102 354	28 408	130
July	813	174	1 011	82 557	13 322	12 575	108 453	87 537	195
August	828	105	943	84 194	7 852	12 423	104 469	55 196	159
September	827	88	932	87 914	9 700	12 795	110 409	42 224	152
October	842	153	996	85 013	12 482	13 688	111 183	70 937	182
November	948	117	1 067	96 900	8 987	12 658	118 546	61 627	180
December 198	846	139	1 010	86 293	8 906	13 054	108 253	48 934	157
January	690	140	830	73 622	13 186	12 032	98 840	47 724	146
February	813	192	1 006	83 415	12 662	13 416	109 492	41 182	150
March	978	331	1 311	103 692	24 894	13 626	142 213	42 108	184
April	971	132	1 104	100 620	12 995	10 186	123 800	21 529	145
May	934	221	1 156	98 136	37 708	14 090	149 933	74 623	224
June	1 296	143	1 443	125 835	12 779	11 340	149 953	58 491	208

DWELLINGS(no).....VALUE(\$'000)....

	New	New other residential		New	New other residential	Alterations & additions to residential	Total residential	Non- residential	Total
Statistical Area	houses	building	dwellings(a)	houses	building	buildings(b)	building	building	building
				400.000					
WESTERN AUSTRALIA Perth (SD)	1 831 1 296	218 143	2 054 1 443	183 328 125 835		13 810 11 340	215 546 149 953	71 126 58 491	286 672 208 444
Central Metropolitan (SSD)	75	24	99	9 640	4 192	2 952	16 785	14 897	31 682
Cambridge (T)	11	2	13	1 726	345	454	2 525	100	2 625
Claremont (T)	4	0	4	505	0	307	812	130	942
Cottesloe (T)	5	0	5	1 250		918	2 168	70	2 238
Mosman Park (T) Nedlands (C)	5 3	0 2	5 5	695 461	0 450	200 471	895 1 389	0 8 050	895 9 439
Peppermint Grove (C)	0	0	0	461	458 0	122	122	0 0 0 0 0	122
Perth (C)- Inner	0	0	0	0	0	0	0	2 750	2 750
Perth (C) - Remainder	22	14	36	1 951	2 800	0	4 751	1 110	5 861
Subiaco (C)	9	4	13	1 184	350	52	1 585	100	1 685
Vincent (T)	16	2	18	1 869	240	429	2 537	2 587	5 124
East Metropolitan (SSD)	208	0	208	18 493	0	1 481	19 974	5 113	25 087
Bassendean (T)	24	0	24	1 654	0	95	1 749	0	1 749
Bayswater (C)	17	0	17	1 462	0	402	1 864	570	2 434
Kalamunda (S)	14	0	14	1 474	0	298	1 772	0	1 772
Mundaring (S)	28	0	28	3 318	0	406	3 724	200	3 924
Swan (S)	125	0	125	10 584	0	280	10 864	4 343	15 207
North Metropolitan (SSD)	361	102	464	35 853	6 963	2 937	45 753	9 443	55 196
Stirling (C) - Central	61	16	77	4 901	1 082	237	6 220	1 130	7 350
Stirling (C) - Coastal	53	18	71	4 687	1 369	736	6 793	160	6 953
Stirling (C) - South-Eastern Wanneroo (C) - Central Coastal	14 42	38 5	52 47	1 705 4 731	2 438 345	472 222	4 615 5 299	3 277 800	7 892 6 099
Wanneroo (C) - North-East	42 57	0	47 57	4 620	345	222	5 299 4 844	1 000	5 844
Wanneroo (C) - North-West	54	0	55	5 467	0	288	5 755	2 228	7 983
Wanneroo (C) - South-East	56	6	62	4 741	568	40	5 349	502	5 851
Wanneroo (C) - South-West	24	19	43	5 000	1 160	717	6 877	347	7 223
South West Metropolitan (SSD)	307	5	314	29 566	275	2 206	32 047	16 393	48 441
Cockburn (C)	130	0	130	10 394	0	258	10 652	2 136	12 788
East Fremantle (T)	1	0	1	180	0	340	520	0	520
Fremantle (C) - Inner	0	0	2	0	0	444	444	140	584
Fremantle (C) - Remainder	22	0	22	1 845	0	176	2 021	6 480	8 501
Kwinana (T) Melville (C)	10 60	0 5	10 65	644 8 921	0 275	0 790	644 9 986	418 369	1 062 10 355
Rockingham (C)	84	0	84	7 583	0	197	7 780	6 850	14 630
Courth Foot Matropoliton (CCD)	0.45	10	250	22.222	1 0 10	4.704	25.224	10.045	40.000
South East Metropolitan (SSD) Armadale (C)	345 14	12 0	358 14	32 282 1 689	1 348 0	1 764 181	35 394 1 870	12 645 320	48 039 2 190
Belmont (C)	50	0	50	4 915	0	136	5 051	760	5 811
Canning (C)	130	10	140	11 082	998	402	12 483	5 689	18 171
Gosnells (C)	91	0	91	8 120	0	122	8 242	1 473	9 715
Serpentine-Jarrahdale (S)	15	0	15	1 617	0	96	1 713	340	2 053
South Perth (C)	17	2	20	2 121	350	521	2 992	1 585	4 577
Victoria Park (T)	28	0	28	2 738	0	305	3 043	2 479	5 522
South West (SD)	248	53	301	24 883	3 468	1 097	29 448	7 529	36 976
Dale (SSD)	77	4	81	8 387	218	296	8 901	2 140	11 041
Boddington (S)	3	0	3	233	0	0	233	1 025	233
Mandurah (C) Murray (S)	58 13	4 0	62 13	6 805 1 083	218 0	145 139	7 168 1 222	1 935 205	9 103 1 427
Waroona (S)	3	0	3	266		139	278	0	278
Preston (SSD)	104	21	125	0.040	1 766	473	11 081	4 120	15 200
Bunbury (C)	104 52	21 21	125 73	8 842 4 173	1 766 1 766	473 167	6 106	4 120 3 885	9 990
Capel (S)	4	0	4	479	0	26	504	0	504
Collie (S)	8	0	8	634	0	93	727	0	727
Dardanup (S)	14	0	14	1 171	0	165	1 336	0	1 336
Donnybrook-Balingup (S)	8	0	8	712	0	0	712	0	712
Harvey (S)	18	0	18	1 674	0	22	1 696	235	1 931

DWELLINGS(no.).....VALUE(\$'000).....

Statistical Area	New houses	New other residential building	Total dwellings(a)	New houses	New other residential building	Alterations & additions to residential buildings(b)	Total residential building	Non- residential buildings	Total building
• • • • • • • • • • • • • • • • • • • •	• • • • •	• • • • • • • • •		• • • • • • • • •		• • • • • • • • • • •	• • • • • • • •	• • • • • • • •	• • • • • • • • •
Vasse (SSD)	56	28	84	6 504	1 483	319	8 306	1 133	9 439
Augusta-Margaret River (S)	20	28	48	2 642	1 483	78	4 203	555	4 758
Busselton (S)	36	0	36	3 862	0	241	4 102	578	4 680
Displayed (CCD)		0	4.4	4 4 5 4		10	4 404	400	4.007
Blackwood (SSD)	11 0	0	11	1 151	0	10	1 161	136	1 297
Boyup Brook (S) Bridgetown-Greenbushes (S)	3	0 0	0 3	0 346	0 0	0 0	0 346	0 0	0 346
Manjimup (S)	6	0	6	634	0	10	644	136	780
Nannup (S)	2	0	2	171	0	0	171	0	171
rtainap (5)	_	O	2	171	O	O	171	0	171
Lower Great Southern (SD)	52	0	52	5 353	0	250	5 603	528	6 131
Pallinup (SSD)	4	0	4	340	0	0	340	305	645
Broomehill (S)	0	0	0	0	0	0	0	0	0
Gnowangerup (S)	0	0	0	0	0	0	0	0	0
Jerramungup (S)	1	0	1	61	0	0	61	0	61
Katanning (S)	3	0	3	279	0	0	279	305	584
Kent (S)	0	0	0	0	0	0	0	0	0
Kojonup (S)	0	0	0	0	0	0	0	0	0
Tambellup (S)	0	0	0	0	0	0	0	0	0
Woodanilling (S)	0	0	0	0	0	0	0	0	0
King (SSD)	48	0	48	5 013	0	250	5 263	223	5 486
Albany (T)	32	0	32	3 450	0	51	3 501	110	3 611
Albany (S)	9	0	9	774	0	151	925	113	1 038
Cranbrook (S)	0	0	0	0	0	0	0	0	0
Denmark (S)	6	0	6	673	0	48	721	0	721
Plantagenent (S)	1	0	1	116	0	0	116	0	116
Upper Great Southern (SD)	18	0	18	1 584	0	40	1 624	131	1 755
Hotham (SSD)	12	0	12	1 096	0	40	1 136	0	1 136
Brookton (S)	0	0	0	0	0	0	0	0	0
Cuballing (S)	0	0	0	0	0	0	0	0	0
Dumbleyung (S)	0	0	0	0	0	0	0	0	0
Narrogin (T)	6	0	6	531	0	40	571	0	571
Narrogin (S)	0	0	0	0	0	0	0	0 0	0
Pingelly (S) Wagin (S)	4 2	0	4 2	347 218	0	0	347 218	0	347 218
Wagiii (3) Wandering (S)	0	0	0	0	0	0	0	0	0
West Arthur (S)	0	0	0	0	0	0	0	0	0
Wickepin (S)	0	0	0	0	0	0	0	0	0
Williams (S)	0	0	0	0	0	0	0	0	0
Lakes (SSD)	6	0	6	488	0	0	488	131	619
Corrigin (S)	0	0	0	0	0	0	0	0	0
Kondinin (S)	6	0	6	488	0	0	488	0	488
Kulin (S)	0	0	0	0	0	0	0	0	0
Lake Grace (S)	0	0	0	0	0	0	0	131	131
Midlands (SD)	49	4	53	4 364	320	255	4 939	592	5 531
Moore (SSD)	20	0	20	1 663	0	61	1 724	132	1 856
Chittering (S)	3	0	3	307	0	12	319	0	319
Dandaragan (S)	6	0	6	479	0	49	528	0	528
Gingin (S)	4	0	4	363	0	0	363	132	494
Moora (S)	7	0	7	515	0	0	515	0	515
Victoria Plains (S)	0	0	0	0	0	0	0	0	0

DWELLINGS(no.).....VALUE(\$'000).....

Statistical Area	New houses	New other residential building	Tota dwellings(a)	New houses		Alterations & additions to residential buildings(b)	Total residential building	Non- residential building	Total building
• • • • • • • • • • • • • • • • • • • •	• • • • • •	• • • • • • •	• • • • • • • • • • •	• • • • • •	• • • • • •	• • • • • • • •	• • • • • • •	• • • • • • •	• • • • • • • • •
Avon (SSD) Beverley (S)	17 2	<i>4</i> 0	21 2	1 595 96	320 0	194 0	2 109 96	272 0	2 380 96
Cunderdin (S)	2	0	2	131	0	27	158	0	158
Dalwallinu (S)	0	0	0	0	0	0	0	0	0
Dowerin (S)	1	0	1	150	0	0	150	0	150
Goomalling (S)	0	4	4	0	320	47	367	0	367
Koorda (S)	0	0	0	0	0	0	0	0	0
Northam (T)	1	0	1	72	0	0	72	0	72
Northam (S) Quairading (S)	0 2	0 0	0 2	0 166	0 0	0 20	0 185	0 0	0 185
Tammin (S)	0	0	0	0	0	0	0	0	0
Toodyay (S)	9	0	9	981	0	40	1 021	0	1 021
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)	0	0	0	0	0	60	60	272	332
Campion (SSD)	12	0	12	1 106	0	0	1 106	188	1 294
Bruce Rock (S)	0	0	0	0	0	0	0	0	0
Kellerberrin (S) Merredin (S)	0 2	0 0	0 2	172	0	0	172	0 132	0
Mount Marshall (S)	3	0	3	173 353	0	0	173 353	56	305 410
Mukinbudin (S)	0	0	0	0	0	0	0	0	0
Narembeen (S)	0	0	0	0	0	0	0	0	0
Nungarin (S)	0	0	0	0	0	0	0	0	0
Trayning (S)	6	0	6	441	0	0	441	0	441
Westonia (S)	0	0	0	0	0	0	0	0	0
Yilgarn (S)	1	0	1	139	0	0	139	0	139
South Eastern (SD)	37	4	41	4 139	265	109	4 513	1 880	6 393
Lefroy (SSD)	24	4	28	2 619	265	41	2 925	1 764	4 689
Coolgardie (S)	0	0	0	0	0	0	0	0	0
Kalgoorlie/Boulder (C) Laverton (S)	24 0	4 0	28 0	2 619 0	265 0	41 0	2 925 0	1 764 0	4 689 0
Leonora (S)	0	0	0	0	0	0	0	0	0
Menzies (S)	0	0	0	0	0	0	0	0	0
Ngaanyatjarraku (S)	0	0	0	0	0	0	0	0	0
Johnston (SSD)	13	0	13	1 520	0	68	1 588	116	1 704
Dundas (S)	0	0	0	0	0	0	0	0	0
Esperance (S)	13	0	13	1 520	0	68	1 588	116	1 704
Ravensthorpe (S)	0	0	0	0	0	0	0	0	0
Central (SD)	57	0	58	6 160	0	559	6 719	430	7 149
Gascoyne (SSD)	12	0	13	1 069	0	195	1 264	0	1 264
Carnarvon (S)	12	0	12	1 069	0	180	1 249	0	1 249
Exmouth (S)	0	0	1	0	0	15	15	0	15
Shark Bay (S) Upper Gascoyne (S)	0 0	0 0	0 0	0	0	0	0 0	0 0	0
3 ()									
Carnegie (SSD)	1	0	1	196	0	0	196	0	196
Cue (S) Meekatharra (S)	0	0 0	0	0	0	0	0 0	0 0	0
Mount Magnet (S)	0	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)	1	0	1	196	0	0	196	0	196

	DWELL	.INGS(no.).		VALUE((\$'000)				
Statistical Area	New houses	New other residential building	Total dwellings(a)	New houses	New other residential building	Alterations & additions to residential buildings(b)	Total residential building	Non- residential building	Total building
0 15: (005)									
Greenough River (SSD)	44	0	44	4 895	0	364	5 259	430	5 689
Carnamah (S)	1	0	1	95	0	0	95	0	95
Chapman Valley (S)	3	0	3	395	0	28	423	0	423
Coorow (S)	1	0	1	112	0	0	112	0	112
Geraldton (C)	9	0	9	935	0	123	1 058	430	1 488
Greenough (S)	18	0	18	2 011	0	64	2 075	0	2 075
Irwin (S)	5	0	5	455	0	40	495	0	495
Mingenew (S)	0	0	0	0	0	0	0	0	0
Morawa (S)	0	0	0	0	0	0	0	0	0
Mullewa (S)	4	0	4	442	0	0	442	0	442
Northampton (S)	3	0	3	450	0	109	559	0	559
Perenjori (S)	0	0	0	0	0	0	0	0	0
Three Springs (S)	0	0	0	0	0	0	0	0	0
Pilbara (SD)	51	8	59	7 444	662	136	8 241	309	8 550
De Grey (SSD)	35	8	43	5 122	662	12	5 796	0	5 796
East Pilbara (S)	4	2	6	517	240	0	757	0	757
Port Hedland (T)	31	6	37	4 605	422	12	5 039	0	5 039
Fortescue (SSD)	16	0	16	2 321	0	124	2 445	309	2 754
Ashburton (S)	4	0	4	611	0	10	621	0	621
Roebourne (S)	12	0	12	1 710	0	114	1 824	309	2 133
Kimberley (SD)	23	6	29	3 567	914	26	4 507	1 237	5 743
Ord (SSD)	5	4	9	580	487	0	1 067	950	2 017
Halls Creek (S)	0	0	0	0	0	0	0	0	0
Wyndham-East Kimberley (S)	4	5	9	580	487	0	1 067	950	2 017
Fitzroy (SSD)	18	2	20	2 986	427	26	3 439	287	3 726
D(C)	,		,	004			001	007	4 040

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

0

6

6

12

Broome (S)
Derby-West Kimberly (S)

0

427

0

804

2 183

804

2 636

1 010

2 716

207

80

⁽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* (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 toShops, 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.

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* (1348.0) or contact the Assistant Director, Time Series Analysis on (02) 6252 6345.

TREND ESTIMATES

EXPLANATORY NOTES

TREND ESTIMATES Continued

19 While the smoothing techniques described in paragraph 18 enables trend estimates to be produced for the latest few periods, it does 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.

CONSTANT PRICE ESTIMATES

20 Constant price estimates measure changes in value after the direct effects of price changes have been eliminated.

The deflators used to revalue the current price estimates are derived from the same price data underlying the deflators compiled for the dwelling and non-dwelling construction components of the national accounts aggregate 'Gross fixed capital expenditure'.

21 Estimates at constant prices are subject to a number of approximations and assumptions. For more information on the nature and concepts of constant price estimates, see Chapter 4 of Australian National Accounts: Concepts, Sources and Methods (5216.0). Monthly value data at constant prices are not available.

AUSTRALIAN STANDARD

22 Area statistics are now bing classified to the ASGC, 1996 Edition (Cat. no. GEOGRAPHIC CLASSIFICATION (ASGC) 1216.0), effective from 1 July 1996, and ASGC terminology has been adopted in the presentation of building statistics.

UNPUBLISHED DATA

23 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

- **24** Users may also wish to refer to the following publications:
- Building Approvals, Australia (8731.0)
- Building Activity, Australia: Dwelling Unit Commencements (8750.0)
- Building Activity, Australia (8752.0)
- Building Activity, Western Australia (8752.5)
- Engineering Construction Activity, Australia (8762.0)
- Housing Finance for Owner Occupation, Australia (5609.0)
- Price Index of Materials Used in House Building (6408.0)
- Price Index of Materials Used in Building Other than House Building (6407.0)
- House Price Indexes: Eight Capital Cities (6416.0).

ROUNDING

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

SYMBOLS AND OTHER USAGES

not available n.a.

n.y.a. not yet available

(C) City

Shire (S)

Statistical Division (SD) (SDD) Statistical SubDivision

(T) Town

GLOSSARY

Alternations 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 (eg. caretakers residences) associated with a non-residential building are defined as houses.

GLOSSARY

Miscellaneous 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.

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

did not exist.

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

buildings 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 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 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 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.

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

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